



Jeb Bush
Governor

Department of
Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

August 29, 2002

Ms. Beverly Morgan
Tampa Electric Company
PO Box 111
Tampa FL 33601-0111

**Re: Warning Letter #256541
TECO - Central Operations Center, Hillsborough County
EPA ID# FLD 981 477 904**

Dear Ms. Morgan:

A review of the file for the referenced case indicates that all the violations cited in the Warning Letter have been corrected. This enforcement action is now closed.

Sincerely,

William Kutash
Administrator
Division of Waste Management

WK/kmh

cc: Kelley Boatwright, Hillsborough County Environmental Protection Commission
Steve Ray, Department, HWR Section
Compliance File

PC 17 } 8-29-02
CCW } VMS

"More Protection, Less Process"

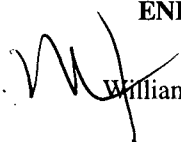
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State of Florida
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Interoffice Memorandum

ENFORCEMENT/COMPLIANCE COVER MEMO

TO:




William Kutash, Environmental Administrator

FROM/THROUGH: SCT Stanley Tam, Professional Engineer II



Elizabeth Knauss, Environmental Manager

Kelly Honey, Environmental Specialist II 

DATE: August 28, 2002

FILE NAME: TECO - Central Operations Center

PROJECT #: 256541

PROGRAM: Hazardous Waste

COUNTY: Hillsborough

TYPE OF DOCUMENT:

☐ Draft or ☒ Final

☐ NOV

☐ Consent Order

☐ Final Order

☐ Case Report

☐ Penalty Authorization

☐ Warning Letter

☒ Other: Case Closed Letter

DESCRIPTION OF VIOLATIONS:

Failure to amend contingency plan; failure to label used oil containers; failure to properly containerize and label spent lamp containers; failure to immediately contain a release of universal waste; failure to record all required information on weekly inspection logs.

SUMMARY OF CORRECTIVE ACTIONS:

Amend contingency plan to reflect current facility conditions (corrected); label used oil containers (corrected); properly containerize and label spent lamp containers; immediately contain releases of universal waste in future (corrected); record all required information on weekly inspection logs (corrected).

PENALTY SUMMARY:

Potential for Harm: N/A

Extent of Deviation: N/A

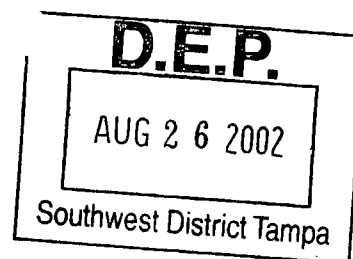
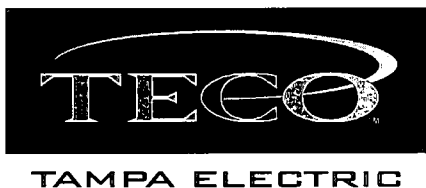
Modifiers: None

Penalty Amount: N/A

Expenses: N/A

TOTAL PENALTY AMOUNT: N/A

☐ APPROVAL REQUIRED



August 26, 2002

Ms. Kelly M. Honey
Environmental Specialist
Southwest District
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619-8318

Via Hand Delivery

**Re: Tampa Electric Company (TEC)
Central Operations Center (COC)
Permit Number FLD 981 477 904
Warning Letter #256541**

Dear Ms. Honey:

This letter provides the Department with a copy of revisions to the Central Operation Center's Integrated Contingency Plan (ICP). These changes were implemented in response to the Department's comments/suggestions received June 20, 2002 and address hazardous waste contingency plan requirements in 40 CFR 265.56.

Please remove and recycle the existing Core Plan Procedures CP-1 and CP-2 and insert the new Core Plan Checklist #11.

Please contact me at (813) 641-5020 if you have any questions or require additional information.

Sincerely,

Beverly Morgan
Environmental Technician
Environmental Affairs

EA/bmr/BJM187

Enclosure

** ICP revisions have been implemented in
Bob's copy. - KLA*

TAMPA ELECTRIC COMPANY
P. O. BOX 111 TAMPA, FL 33601-0111

(813) 228-4111

Honey, Kelly

From: Beverly Morgan [bjmorgan@tecoenergy.com]
Sent: Thursday, August 22, 2002 9:16 AM
To: Honey, Kelly
Cc: David Lukcic; Lynn Robinson; Stan Maloy
Subject: Re: FW: TECO - COC Integrated Contingency Plan

We are meeting with our consultant this afternoon to finalize the changes. I hope to have the revised pages to you this Friday or Monday at the latest. Hope this is satisfactory. Thanks! Bev

>>> "Honey, Kelly" <Kelly.Honey@dep.state.fl.us> 08/21/02 05:31PM >>>
Beverly:

I was just noticing that I haven't gotten the corrections for the COC's ICP. In case it somehow got lost in the email void (hey, it happens), I have forwarded my comments on the ICP that was submitted as part of the documentation of corrective actions resulting from my March inspection. I figured (hopefully, not wrongly!) that you probably made the corrections right away but just haven't sent them to me. I (and the other recipients) don't need another copy of the whole plan. You can just send me the pages that need to be swapped out.

Call me if you have any questions.

Thanks!
Kelly Honey
RCRA / Division of Waste Management
813/744-6100 (SunCom 512-1042), ext. 369

> -----Original Message-----
> From: Honey, Kelly
> Sent: Thursday, June 20, 2002 4:46 PM
> To: 'bjmorgan@tecoenergy.com'
> Cc: Dregne, James
> Subject: TECO - COC Integrated Contingency Plan
>
> Beverly:
>
> I have just finished reviewing the ICP submitted as part of the required
> corrective actions resulting from the recent inspection of the COC.
> Although the ICP is extensive and very well organized, there are a couple
> of items that still must be addressed.
>
> In the Core Plan, Procedure CP-1, definitions of various types of incidents
> are given. There is no mention of an incident specifically involving
> hazardous wastes though mention is made of hazardous substances. Also, the
> definition of moderate incident, the first mention of hazardous substances
> is in reference to spills >25 gallons outside secondary containment. There
> is concern that the language implies that spills or discharges of less than
> 25 gallons of hazardous waste may be viewed by First Responders as
> unimportant or no threat. The variety of hazardous wastes that may be on

- > site would possibly require differing responses (e.g., spill of a corrosive
- > versus an ignitable). The incident definitions should be revised to
- > include spills of hazardous wastes.
- >
- > In the organizational chart provided in Procedure CP-5, page 5 of 5, after
- > notification by the First Responder, the Supervisor/Manager "notifies as
- > needed, based on initial assessment", the Emergency Coordinator, Safety
- > Coordinator, etc. The concern is that for an incident involving hazardous
- > waste, based on the incident definitions noted above, the Supervisor will
- > decide that the Emergency Coordinator does not need to be notified. 40 CFR
- > 265.56(b) states that "whenever there is a release, fire, or explosion, the
- > emergency coordinator must immediately identify the character, exact
- > source, amount, and a real extent of any released materials." Due to the
- > threat to worker health generally inherent in hazardous wastes, the
- > Emergency Coordinator should be at least verbally notified of ALL hazardous
- > waste incidents regardless of the amount involved as it is the
- > responsibility of the Emergency Coordinator and not the Supervisor to
- > assess the threat from hazardous waste incidents.
- >
- > Similarly, the Checklists provided in Attachment 3 do not include incidents
- > involving hazardous waste. A checklist should be created for these types
- > of incidents. There is very little mention of hazardous wastes throughout
- > the ICP, except regarding its storage location. In accordance with 40 CFR
- > 265.52(a), "the contingency plan must describe the actions facility
- > personnel must take to comply with §§ 265.51 and 265.56 in response to
- > fires, explosions, or any unplanned sudden or non-sudden release of
- > hazardous waste or hazardous waste constituents to air, soil, or surface
- > water at the facility." The Plan must address hazardous wastes more
- > directly.
- >
- > Finally, 40 CFR 265.52(d) states that "the plan must list names, addresses,
- > and phone numbers (office and home) of all persons qualified to act as
- > emergency coordinator (see § 265.55), and this list must be kept up to
- > date. Where more than one person is listed, one must be named as primary
- > emergency coordinator and others must be listed in the order in which they
- > will assume responsibility as alternates." All three people designated as
- > Environmental Coordinator must have their address listed in the Plan.
- >
- > Kelly Honey
- > RCRA / Division of Waste Management
- > 813/744-6100 (SunCom 512-1042), ext. 369
- >

Honey, Kelly

From: Honey, Kelly
Sent: Wednesday, August 21, 2002 5:32 PM
To: 'bjmorgan@tecoenergy.com'
Subject: FW: TECO - COC Integrated Contingency Plan

Beverly:

I was just noticing that I haven't gotten the corrections for the COC's ICP. In case it somehow got lost in the email void (hey, it happens), I have forwarded my comments on the ICP that was submitted as part of the documentation of corrective actions resulting from my March inspection. I figured (hopefully, not wrongly!) that you probably made the corrections right away but just haven't sent them to me. I (and the other recipients) don't need another copy of the whole plan. You can just send me the pages that need to be swapped out.

Call me if you have any questions.

Thanks!
Kelly Honey
RCRA / Division of Waste Management
813/744-6100 (SunCom 512-1042), ext. 369

-----Original Message-----

From: Honey, Kelly
Sent: Thursday, June 20, 2002 4:46 PM
To: 'bjmorgan@tecoenergy.com'
Cc: Dregne, James
Subject: TECO - COC Integrated Contingency Plan

Beverly:

I have just finished reviewing the ICP submitted as part of the required corrective actions resulting from the recent inspection of the COC. Although the ICP is extensive and very well organized, there are a couple of items that still must be addressed.

In the Core Plan, Procedure CP-1, definitions of various types of incidents are given. There is no mention of an incident specifically involving hazardous wastes though mention is made of hazardous substances. Also, the definition of moderate incident, the first mention of hazardous substances is in reference to spills >25 gallons outside secondary containment. There is concern that the language implies that spills or discharges of less than 25 gallons of hazardous waste may be viewed by First Responders as unimportant or no threat. The variety of hazardous wastes that may be on site would possible require differing responses (e.g., spill of a corrosive versus an ignitable). The incident definitions should be revised to include spills of hazardous wastes.

In the organizational chart provided in Procedure CP-5, page 5 of 5, after notification by the First Responder, the Supervisor/Manager "notifies as needed, based on initial assessment", the Emergency Coordinator, Safety Coordinator, etc. The concern is that for an incident involving hazardous waste, based on the incident definitions noted above, the Supervisor will decide that the Emergency Coordinator does not need to be notified. 40 CFR 265.56(b) states that "whenever there is a release, fire, or explosion, the emergency coordinator must immediately identify the character, exact source, amount, and a real extent of any released materials." Due to the threat to worker health generally inherent in hazardous wastes, the Emergency Coordinator should be at least

verbally notified of ALL hazardous waste incidents regardless of the amount involved as it is the responsibility of the Emergency Coordinator and not the Supervisor to assess the threat from hazardous waste incidents.

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Finally, 40 CFR 265.52(d) states that "the plan must list names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinator (see § 265.55), and this list must be kept up to date. Where more than one person is listed, one must be named as primary emergency coordinator and others must be listed in the order in which they will assume responsibility as alternates." All three people designated as Environmental Coordinator must have their address listed in the Plan.

Kelly Honey

*RCRA / Division of Waste Management
813/744-6100 (SunCom 512-1042), ext. 369*

Honey, Kelly

From: Honey, Kelly
Sent: Thursday, June 20, 2002 4:46 PM
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Cc: Dregne, James
Subject: TECO - COC Integrated Contingency Plan

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Kelly Honey
RCRA / Division of Waste Management



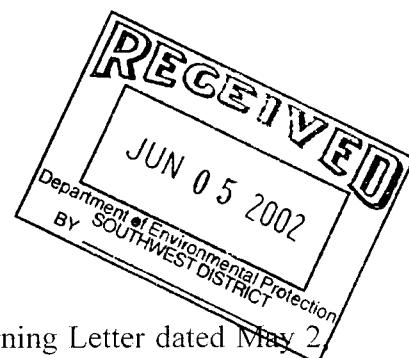
TAMPA ELECTRIC

June 4, 2002

Ms. Kelly M. Honey
Environmental Specialist
Southwest District
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619-8318

Via FedEx
Airbill No. 7918 5322 8810

Re: Tampa Electric Company (TEC)
Central Operations Center (COC)
Permit Number FLD 981 477 904
Warning Letter #256541



Dear Ms. Honey:

This letter provides information requested by the Department in a Warning Letter dated May 2, 2002 and received May 8, 2002 concerning a hazardous waste inspection conducted on March 28, 2002 at the referenced location. The Department identified several concerns that require a response from Tampa Electric Company. Our response to your comments and appropriate corrective actions taken are presented below.

I. TRANSFORMER SHOP

Labeling of the 1,000 and 10,000 gallon Used Oil ASTs, and used transformer oil management, page 2, sixth paragraph:

The removal of the handwritten "Good" and "Junk" markings on the two double-walled ASTs collecting used mineral oil outside the Transformer Repair Shop are documented in picture #1 of Attachment A.

The referenced paragraph includes the statement "Used transformer oil containing greater than or equal to 50 ppm of PCB is stored separately in the PCB Waste Storage area and was formerly burned for energy recovery by one of TECO's other facilities, however, TECO now recycles it through Trans-Cycle Industries, Inc., Pell City, AL."

Please note to the contrary, that used transformer oil containing PCBs at greater than 49 ppm concentrations has never been burned for energy recovery at TECO. Such oil has been sent to Trans-Cycle Industries for incineration for a period of many years.

II. FACILITY SERVICES

Labeling and containerizing spent lamps, page 3, third paragraph:

The Universal Waste collection shed at COC – Facility Services has been equipped with several fiber drums to collect spent lamps which can not be repacked in their original box. Additionally the shed has been equipped with a supply of Universal Waste Labels, tape, and marking pens. These improvements are documented in pictures #2 and #3 of Attachment A.

III. VEHICLE MAINTENANCE

Appropriate labeling of used oil, page 3, fifth paragraph:

In compliance with 40 CFR 279.22, the 500-gallon AST outside the Vehicle Maintenance area has been relabeled “Used Oil,” as shown in picture #4 of Attachment A.

Authorization for used oil filter disposal, page 3, sixth paragraph:

All COC processable waste is sent to the city’s McKay Bay incinerator. Attachment B is a memo from Greig Grotecloss, stating that the City of Tampa Solid Waste Department allows their customers to dispose of oily waste in their normal solid waste dumpster as long as there is no significant quantities of free liquid. We drain all used oil filters at COC for 24 hours prior to disposal to assure the absence of significant quantities of free liquid.

Employees at COC as well as employees at other TEC operating centers have been advised that only “de minimis quantities” of these materials may be placed in any one processable solid waste dumpster. Our understanding of “de minimus” is that oily waste materials may comprise no more than 10% of the waste dumpster capacity. The rule of thumb for satisfying the 10% capacity limit is that no more than three 55-gallon drums of oily material may be disposed into any one 20-CY processable waste dumpster. Additionally we advise employees that oily waste materials must be inseparably commingled with the other trash inside the container.

Labeling of spent coolant, page 4, first paragraph:

As shown in picture #5 of Attachment A, the drum collecting spent coolant has been labeled “Anti-freeze for Reclamation.”

Ms. Kelly M. Honey
April 9, 2002
Page 3 of 3

IV. SUBSTATION OPERATIONS

Labeling used oil containers, page 4, fifth paragraph:

In accordance with 40 CFR 279.22, the 2,865 gallon AST located outside the main Substation Operations building, as well as the two drums collecting used oil inside the building, have been labeled "Used Oil", as shown in pictures #6, #7, #8 and #9 of Attachment A.

V. INVESTMENT RECOVERY

Inspection Log, page 5, second paragraph:

As shown in Attachment C, the Weekly Inspection Log has been revised to include an area for a description of any problems found and actions taken during the inspection.

Contingency Plan, page 5, third paragraph:

At the time of the inspection, an Integrated Contingency Plan (ICP) was being developed. This plan incorporates several procedures including a Preparedness and Prevention Plan, a Contingency Plan and Emergency Procedures. A copy of the final plan is included as Attachment D.

Please contact me at (813) 641-5020 if you have any questions or require additional information.

Sincerely,



Beverly Morgan
Technician
Environmental Affairs

EA/bmr/BJM181

Enclosure

ATTACHMENT A



#1



#2

ATTACHMENT A



#3



#4

ATTACHMENT A

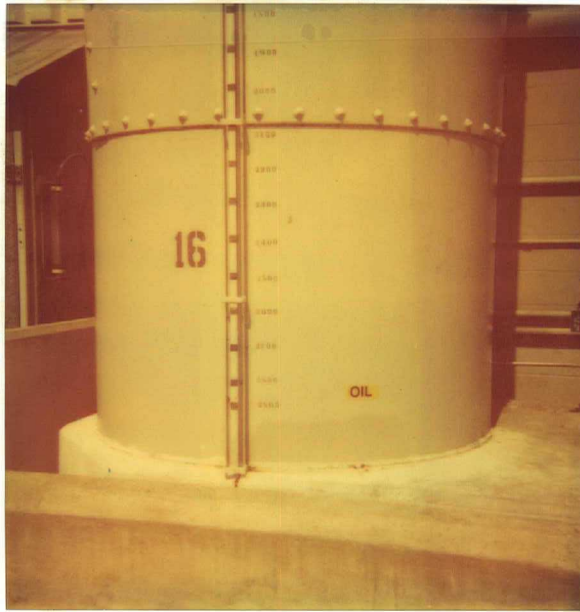


#5



#6

ATTACHMENT A



#7



#8

ATTACHMENT A



#9

ATTACHMENT B

City of Tampa Memorandum

To: Jim Cook

From: Greig Grotecloss

Subject: Oily Waste

Date: May 15, 2002

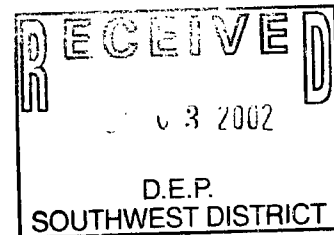
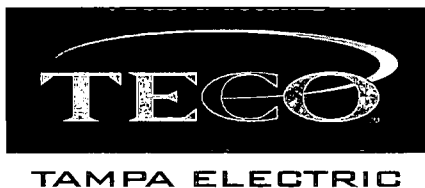
The City of Tampa Solid Waste Department does allow our customers to dispose of oily waste in their normal solid waste dumpster as long as there is no significant quantities of free liquid. The City discouraged this practice during 2000 and 2001 during the retrofit of the McKay Bay facility. We were sending a lot of our waste to Hillsborough County's landfill and they do not accept oily waste. The retrofit of McKay Bay ended in August 2001 and all City processible waste is currently going to McKay Bay.

ATTACHMENT C

WEEKLY INSPECTION SHEET

Time: 9:30					
Date: 5-30-02					
Name (Print): Jim Rhodes	Signature: Jim Rhodes				
PCB Adjacent Storage Area					
PCB Wastes In Storage?	Equipment/Container Labeled?	Equipment/Container Free of Leaks?	Comments		
Yes or No	Yes or No	Yes or No			
N/A	N/A	N/A			
PCB Permanent Storage Area					
Doors Shut?	Emergency Response Equipment Ready?	Spill Kit Complete?	PCB Waste in Storage?	Equipment/Container labeled?	Equipment/Container Free of Leaks?
Yes or No	Yes or No	Yes or No	Yes or No	Yes or No	Yes or No
yes	yes	yes	yes	yes	yes
Hazardous Waste 90-Day Storage Area					
Number of Containers	Are all containers in good condition? (no evidence of leaks, corrosion, dents?)	Are all containers closed:	Are all containers labeled with the Accumulation Start Date and words "Hazardous Waste"?	Is emergency equipment present and in good condition? (fire extinguishers & spill response materials)	
	Yes or No	Yes or No	Yes or No	Yes or No	
None	N/A	N/A	N/A	yes	

Description of any problems found and actions taken:

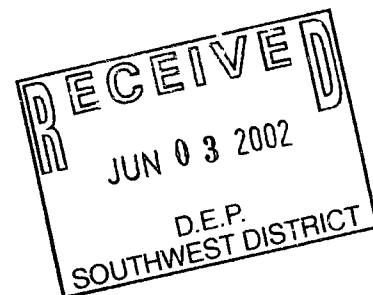


May 31, 2002

Ms. Beth Knauss
Florida Department of
Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, FL 33619

Certified Mail No. 7000 0520 0016 1349 2105
Return Receipt Requested

**Re: Tampa Electric Company
Central Operations Center
Hazardous Waste Emergency Response Plan**



Dear Ms. Knauss:

Under 40 CFR 265.37 and 40 CFR 265.33, Tampa Electric Company is required to inform local authorities and emergency response organizations of hazardous waste activities and emergency response procedures at the above referenced facility and to submit revisions of the plan as required.

Enclosed is a copy of the "Tampa Electric Company's - Central Operations Center Integrated Contingency Plan, May 2002."

Please disregard any previous plans for this facility. If you have any questions, please contact me at (813) 641-5107.

Sincerely,

David M. Lukcic, P.E.
Manager, Land & Water Programs
Environmental Affairs

EA/bmr/BJM174

Enclosure

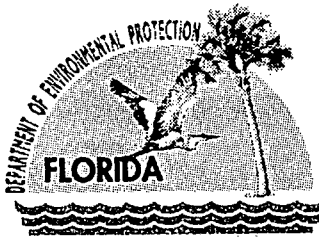
** ICP given to BER - KH*

TAMPA ELECTRIC COMPANY
P. O. BOX 111 TAMPA, FL 33601-0111

(813) 228-4111

AN EQUAL OPPORTUNITY COMPANY
[HTTP://WWW.TAMPAELECTRIC.COM](http://www.tampaelectric.com)

CUSTOMER SERVICE:
HILLSBOROUGH COUNTY (813) 223-0800
OUTSIDE HILLSBOROUGH COUNTY 1 (888) 223-0800



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

May 2, 2002

Ms. Beverly Morgan
Environmental Affairs
Tampa Electric Company
PO Box 111
Tampa, FL 33601-0111

**RE: TECO - Central Operations Center
FLD 981 477 904
Warning Letter #256541
Hillsborough County**

Dear Ms. Morgan:

The purpose of this letter is to advise you of possible violations of law for which you may be responsible, and to seek your cooperation in resolving the matter. A hazardous waste program field inspection conducted on March 28, 2002, indicates that violations of Florida Statutes and Rules may exist at the above referenced facility. Department of Environmental Protection (Department) personnel made observations described in the attached inspection report. Section 10 of the report lists a summary of alleged violations of Department Rules.

Section 403.727, Florida Statutes (F.S.) provides that it is a violation to fail to comply with rules adopted by the Department. The activities observed during the Department's field inspection and any other activities at your facility that may be contributing to violations of Florida Statutes or Department Rules should cease.

You are requested to respond in writing within thirty (30) days with documentation that all alleged violations have been corrected. **Please see Section 11 of the inspection report for a list of recommended corrective actions.** Alternatively, you may contact Kelly Honey at (813) 744-6100, extension 369, within fifteen (15) days of receipt of this Warning Letter to arrange a meeting to discuss this matter. The Department is interested in reviewing any facts you may have that will assist in determining whether any violations have occurred. You may bring anyone with you to the meeting that you feel could help resolve this matter. You may also request a meeting to discuss the recommended corrective actions or negotiate a compliance schedule.

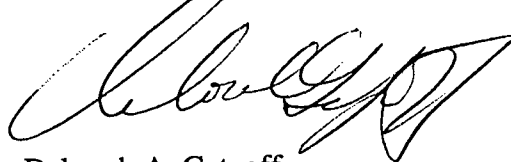
"More Protection, Less Process"

Printed on recycled paper.

WL 1-5-2-02
VLS

Please be advised that this Warning Letter is part of an agency investigation, preliminary to agency action in accordance with Section 120.57(4), F.S. If you fail to respond and document a return to compliance within 90 days, under the Department's agreement with the United States Environmental Protection Agency (EPA), you may be designated as significantly out of compliance. This could result in issuance of a formal administrative complaint or "Notice of Violation" (NOV) and assessment of civil penalties if the case is not resolved within 150 days of the attached inspection report. We look forward to your cooperation in completing the investigation and resolution of this matter.

Sincerely yours,

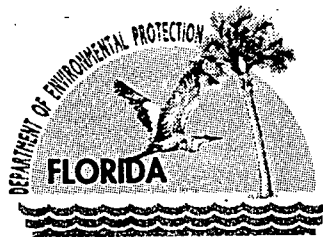
A handwritten signature in black ink, appearing to read 'Deborah A. Getzoff', written over a horizontal line.

Deborah A. Getzoff
Director of District Management
Southwest District

DAG/kmh

attachment

cc: Kelley Boatwright, Hillsborough County Environmental Protection Commission
Compliance File



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

HAZARDOUS WASTE INSPECTION REPORT

1. INSPECTION TYPE: ☒ Routine ☐ Complaint ☐ Permitting ☐ Follow-Up ☐ Pre-Arranged

FACILITY NAME TECO - Central Operations Center EPA ID # FLD 981 477 904

STREET ADDRESS 2200 East Sligh Avenue, Tampa, FL 33610

MAILING ADDRESS PO Box 111, Tampa, FL 33601-0111

COUNTY Hillsborough PHONE (813) 641-5020 DATE March 28, 2002 TIME 9:45 am

NOTIFIED AS: ☐ Non-notifier

- ☐ Non Handler
- ☐ CESQG (<100 kg/mo.)
- ☐ SQG (100-1000 kg/mo.)
- ☒ Generator (>1000 kg/mo.)
- ☐ Transporter
- ☐ Transfer Facility
- ☐ Interim Status TSD Facility
- ☐ TSD Facility
- ☐ Unit Type(s):
- ☐ Exempt Treatment Facility
- ☐ Used Oil:

CURRENT STATUS:

- ☐ Non Handler
- ☐ CESQG (<100 kg/mo.)
- ☐ SQG (100-1000 kg/mo.)
- ☒ Generator (>1000 kg/mo.)
- ☐ Transporter
- ☐ Transfer Facility
- ☐ Interim Status TSD Facility
- ☐ TSD Facility
- ☐ Unit Type(s):
- ☐ Exempt Treatment Facility
- ☒ Used Oil: Generator

2. APPLICABLE REGULATIONS:

- | | | | |
|--|---|---|---|
| <input type="checkbox"/> 40 CFR 261.5 | <input checked="" type="checkbox"/> 40 CFR 262 | <input type="checkbox"/> 40 CFR 263 | <input type="checkbox"/> 40 CFR 264 |
| <input checked="" type="checkbox"/> 40 CFR 265 | <input type="checkbox"/> 40 CFR 266 | <input checked="" type="checkbox"/> 40 CFR 268 | <input checked="" type="checkbox"/> 40 CFR 273 |
| <input checked="" type="checkbox"/> 40 CFR 279 | <input checked="" type="checkbox"/> 62-710, FAC | <input checked="" type="checkbox"/> 62-737, FAC | <input checked="" type="checkbox"/> 62-730, FAC |

3. RESPONSIBLE OFFICIAL(s):

Beverly Morgan, Environmental Affairs Technician

J. B. Ramil, President

4. INSPECTION PARTICIPANTS:

Beverly Morgan; Terese Sanchez, TECO

Kelly Honey, FDEP

5. LATITUDE/LONGITUDE: 28° 00' 42" 82° 26' 04"

6. SIC Code: 4911

7. TYPE OF OWNERSHIP: Private Federal State County Municipal

8. PERMIT #: N/A ISSUE DATE: EXP. DATE:

"More Protection, Less Process"

Printed on recycled paper.

9. Facility Description:

The Tampa Electric Company Central Operations Center (COC) was inspected on March 28, 2002, to determine its compliance with State and Federal hazardous waste regulations. COC notified the Department of Environmental Protection (Department) of its status as a Large Quantity Generator (LQG) of hazardous waste on November 1, 1989. The inspector was accompanied throughout the inspection by Beverly Morgan, Environmental Affairs Technician, and Terese Sanchez, Environmental Specialist. The facility was last inspected by the Department's Hazardous Waste Section on May 22, 1995.

The COC is a clearing house for all Tampa Electric Company (TECO) equipment needing repairs, including its fleet of vehicles and its transformers. It also collects hazardous, nonhazardous and universal wastes from TECO's conditionally exempt small quantity generators and ships them for disposal using its EPA identification number. Hazardous wastes are generated in the COC's Investment and Recovery areas and the Vehicle Maintenance areas. TECO performs a waste analysis on each waste stream generated as part of its standard operating procedures.

The inspection began at the 90 Day Hazardous Waste Storage Area, located in Investment and Recovery, assisted by the Administrator, Wendell Welsh. The Storage Area is equipped with a grated floor over a sealed, concrete sump. Hazardous and nonhazardous wastes are stored here on opposite sides of the Storage Area, and there is also a 55-gallon satellite accumulation drum for spent aerosol spray cans, closed and labeled as to its contents. At the time of inspection, there was only one container of hazardous waste awaiting shipment for disposal, a steel 55-gallon drum containing spent parts washing solvent from Vehicle Maintenance. The drum was closed, dated and properly labeled. Hazardous wastes are disposed of at several facilities, including Southeastern Chemicals & Solvent, Sumter, SC; Heritage Environmental Services, LLC, Indianapolis, IN; and Michigan Disposal Waste Treatment Plant, Belleville, MI.

Other wastes observed in the Storage Area included two drums for collection of alkaline batteries, a drum for collection of NiCad batteries, and a drum of spent sandblasting media, the status of which was pending receipt of analyses. All these drums were closed and labeled. All universal wastes are picked up for recycling by Superior Special Service, Tampa, FL. Also observed were various spill kits around the Storage Area.

A walk through of the work areas in Investment and Recovery, as well as in other parts of the COC, revealed that the fire extinguishers were not certified for the year 2001. Correspondence received since the inspection indicates that County Fire Equipment Company, Tampa, FL, has inspected and recertified all the fire extinguishers in the COC. A vibratory polishing system is still in use at the facility and uses recirculated mineral spirits, with more added as needed. Mineral spirits is pumped into the Ultramatic Vibratory Polisher from a small supply tank and then drains into a sump where solids settle out. When the sump is full, a sump pump automatically pumps it back into the supply tank. The sump is cleaned infrequently.

Just outside the transformer repair shop in Investment and Recovery, are two, double-walled aboveground storage tanks (ASTs) for storage of used transformer (mineral) oil. A 1,000-gallon AST holds oil that is to be reused, and there is a 10,000-gallon AST for storage of "junk oil", which cannot be reused. Both ASTs were labeled "Used Oil", as well as "good oil" or "junk oil". International Petroleum Corporation (IPC), Plant City, FL, takes all used oils, including used transformer oil containing <50 ppm of PCB, generated at the COC. Used transformer oil containing ≥ 50 ppm of PCB is stored separately in the PCB Waste Storage Area and was formerly burned for energy recovery by one of TECO's other facilities, however, TECO now recycles it through Trans-Cycle Industries, Inc., Pell City, AL.

Soils contaminated with used transformer oil is still stored outside nearby to the south of Facility Services, formerly known as Building Maintenance. Stained soils are excavated, drummed, labeled, and brought to the Contaminated Soil Storage Area pending analyses for PCB content. If the oil is found to contain <50 ppm of PCB, the associated drum is then emptied into a nearby roll-off, ultimately going to Clark Environmental, Inc., Mulberry, FL, for thermal treatment. Soils found to be contaminated with oil containing ≥50 ppm of PCB are disposed of by Trans-Cycle Industries, Inc.

Facility Services maintains all TECO's grounds and buildings, however, no longer does any painting as this activity has been contracted out. Hazardous wastes are no longer generated in this area, but there are a 5-gallon and a 10-gallon bucket for accumulation of universal waste batteries in the shop.

Spent lamps are stored in a shed located nearby to the west of Facility Services. The shed is secured behind a locked fence. At the time of inspection, there were approximately twenty-nine boxes of spent fluorescent lamps in the shed. There was also one fiberboard cylinder which appeared to be empty. While the cylinder was appropriately labeled, none of the boxes were. Additionally, several of the boxes were either left open or, due to their poor condition, could not be closed at all. Fragile universal waste devices, such as spent fluorescent lamps, must be placed in closed containers that are structurally sound, compatible with the universal waste lamp and labeled or marked clearly with the words "Spent Mercury-Containing Lamps for Recycling", "Universal Waste Mercury Lamps", "Waste Mercury Lamps" or "Used Mercury Lamps". Failure to properly containerize the spent lamps is a violation of **62-737.400(5)(a), FAC**, and failure to label containers of spent lamps is a violation of **62-737.400(5)(b)1, FAC**. TECO must ensure that all containers of spent lamps are structurally sound, closed and correctly labeled.

Observed on the floor of the shed were shards of broken glass indicating lamp breakage that had not been adequately addressed. In accordance with **40 CFR 273.17**, a small quantity handler of universal waste must immediately contain all releases of universal wastes and other residues from universal wastes and must determine whether any material resulting from the release is hazardous waste. Any waste determined to be hazardous must be managed in compliance with all applicable requirements of 40 CFR, Parts 260 through 272. Since the inspection, Ms. Morgan has stated that the broken lamp was cleaned up and placed into a container labeled "Universal Waste - Broken Lamps".

Vehicle Maintenance was then inspected, assisted by Robert Kinzy and Yvette Vega. The COC maintains all of TECO's vehicles and to accomplish this, is equipped with a large garage, as well as two painting booths. Just outside the garage, there is a 500-gallon AST, which appeared to be double-walled, storing used oil. The AST was labeled both "used oil" and "waste oil". TECO should remove the "waste oil" designation. Inside the garage, staff use portable dollies during oil changes, and though most contained used oil, none were labeled, a violation of **40 CFR 279.22(c)(1)**. All the dollies were marked with the words "Used Oil" during the inspection.

Outside the garage, there are two roll-offs, one designated for landfilling and one designated for incineration. Used oil filters have been discarded in the incineration roll-off. Ms. Morgan stated during the inspection that this practice was approved by the Hillsborough County Solid Waste Department, however, Hillsborough County has disallowed this practice in the past. **TECO must provide the Department with written permission from the County to dispose of its used oil filters in this manner.** Oily wastes are also discarded into the incineration roll-off, another practice that Ms. Morgan believes was approved by the County. Again, Hillsborough County does not allow this practice, and unless written permission is obtained and provided to the Department, the practice must cease. TECO should contact IPC about disposal options for both used oil filters and oily wastes.

Also used in the garage are four 26-gallon parts washers which are serviced on site as needed by garage staff. According to Mr. Kinzy, all four are cleaned out at the same time, and the liquid and filters are separately drummed and sent over to the 90 Day Storage Area where they are sampled, and a waste determination is performed. The Power Systems parts washer that is no longer in use should be emptied during the next cleaning cycle. Rolls of sorbent pads and other sorbent materials are located throughout the garage. Dirty rags generated are placed in a receptacle and then disposed of with the other oily wastes in the incineration roll-off. Spent coolant is accumulated in the garage's Product Storage Area. Ms. Morgan stated that spent coolant is no longer recycled on site but is now shipped to MMT Technologies, Inc., Lakeland, FL, for recycling. There were only around ten gallons of spent coolant on site at the time of inspection. The Department recommends that the spent coolant container be labeled to prevent any confusion. Spent lead-acid batteries are exchanged for core credit by Battery Express, Inc., Tampa, FL.

Other wastes observed in the garage included two 55-gallon stainless steel drums labeled "waste fuel", a 55-gallon satellite accumulation drum for aerosol spray cans and a 30-gallon container for accumulation of alkaline batteries destined for recycling. All these containers were being managed correctly. There is also a Zero Blast-N-Peen sandblasting unit in the garage with a 55-gallon satellite accumulation drum for spent media. The drum was labeled, closed and currently managed as hazardous waste, but the contents will probably be analyzed to ensure a correct waste determination when the drum is full as per TECO's standard procedure.

Just outside the garage is an oil/water separator system. Water is discharged to the storm sewer, and oil is pumped out by IPC. The contents of the separator are analyzed annually for hazardous constituents and are currently managed as nonhazardous.

The facility's paint booths, also located outside the garage, are where both vehicles and transformers are painted. Yvette Vega, who is in charge of paint booth operations, stated that there have been no product changes since the previous inspection when the filters were determined to contain no RCRA metals. The only difference is that painting is now done much less frequently. Review of MSDSs indicates the paint booth filters are still nonhazardous. The paint booth filters are changed bimonthly and discarded into the regular trash. Lacquer thinner is used to clean the spray nozzles, and each booth is equipped with 5-gallon container for accumulation of waste lacquer thinner. Both containers had hazardous waste labels and were closed. A properly managed 55-gallon satellite accumulation drum for paint waste is located in the Preparation Area, just outside of Paint Booth #1.

Substation Operations generates little or no hazardous waste but does generate used oil. Gerald Johnson, who provided assistance, said that used oil from some equipment, as well as used transformer oil, is placed into two 55-gallon drums labeled "Junk Oil" which are located inside the main building. Outside the main building, were two 3,000-gallon ASTs, one for virgin oil and one for used oil. The used oil AST was labeled "Junk Oil". Failure to label the two drums and the AST with the words "Used Oil" is an additional violation of **40 CFR 279.22(c)(1)**. TECO must relabel these containers. Mr. Johnson said that when the AST is full, the contents are screened for halogens and pumped directly into a tanker truck by IPC.

There is a Startrite unit for cutting metal which uses oil coolant in the nearby Substation maintenance shop. Mr. Johnson said it was rarely used and he didn't know if it had ever been cleaned out. Staff in the maintenance shop also use small amounts of denatured alcohol as a solvent for light cleanup.

An intercom system, fire suppression equipment and alarm systems are located throughout the entire facility.

Records were reviewed and are maintained in Investment and Recovery by Jim Cook. Inspections of the 90-Day Storage Area are performed weekly and documented, but the logs do not contain all the necessary information (e.g., number of hazardous waste drums). Failure record the date and time of each inspection, the legibly printed name of the inspector, the number and the condition of the containers, a notation of the observations made, and the date and nature of any necessary repairs or other remedial actions during weekly inspections of containers storing hazardous waste is a violation of **62-730.160(6), FAC**. Since the inspection, the log has been revised to include all the required information, although the Department recommends adding a "comments" or "corrective action description" section to the Hazardous Waste 90-Day Storage Area portion of the log rather than having the inspector simply notate the bottom of the form.

The COC has an Integrated Contingency Plan, but it has not been revised to reflect personnel changes (e.g., Michael Morgan designated as Emergency Coordinator), and waste handling changes (e.g., lamps no longer crushed on site). Failure to amend the contingency plan when the list of emergency coordinators changes is a violation of **40 CFR 265.54(d)**. TECO must revise its Plan for the COC to reflect current facility conditions in accordance with the requirements specified in 40 CFR 265.52. TECO must distribute the revisions to local authorities to comply with 40 CFR 265.53.

Training records indicate that employees, including the supervisors for each department, and the primary hazardous waste handlers, receive RCRA training at least annually. Employees are trained within six months of hiring. Manifests were reviewed, and no errors were noted. The 2001 Biennial Report has been submitted.

10. Summary of Alleged Violations:

40 CFR 265.54(d)	Failure to amend the contingency plan when the list of emergency coordinators changes
40 CFR 273.17	Failure to immediately contain all releases of universal wastes and other residues from universal wastes and determine whether any material resulting from the release is hazardous waste (corrected)
40 CFR 279.22(c)(1)	Failure to label eight dollies, two drums and one AST storing used oil with the words "Used Oil" (corrected)
62-730.160(6), FAC	Failure record the number of containers observed during weekly inspections of containers storing hazardous waste (corrected)
62-737.400(5)(a), (b)1, FAC	Failure to properly containerize and label spent fluorescent lamps

11. Recommendations:

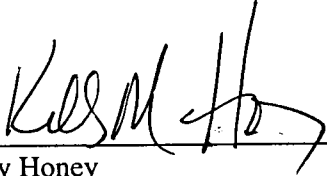
40 CFR 265.54(d)

Amend or revise the Integrated Contingency Plan for the COC to reflect current facility conditions in accordance with the requirements specified in 40 CFR 265.52. Distribute the revisions to local authorities.

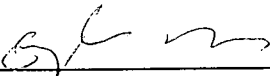
62-737.400(5)(a), (b)1, FAC

Ensure all boxes of spent fluorescent lamps are closed, structurally sound and marked with the words "Spent Mercury-Containing Lamps for Recycling", "Universal Waste Mercury Lamps", "Waste Mercury Lamps" or "Used Mercury Lamps".

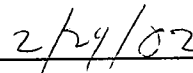
Inspected: _____


Kelly Honey
Environmental Specialist I

Approved: _____


Elizabeth B. Knauss
Environmental Manager

Date: _____



USED OIL GENERATOR CHECKLIST

Facility Name: TECO-CENTRAL OPERATIONS CTR Date: MARCH 28, 2002
 Facility Representative: BEVERLY MORGAN Facility ID #: FLD 981 477 904
 SIC Codes: 4911 Inspector: KELLY HONEY

40 CFR 279 Subpart C -- Generator Standards

1. Describe the facility's used oil streams:

WASTE DESCRIPTION	ON/Off Specification	Testing or Process Knowledge	Generation Rate	Disposal Facility and EPA ID
USED TRANSFORMER OIL (MINERAL OIL)	ON	TESTING	VERY HIGH!	IPC - PLANT CITY FLD 065 680 613
USED MOTOR OIL	ON	PROCESS KNOWLEDGE	~ 200 G MONTHLY	SAME AS ABOVE
USED OIL/SOLIDS (O/W SEP CLEAN OUT)	ON	TESTING	~ 1900 G 1/YR	SAME AS ABOVE
USED OIL/WATER (O/W SEP CLEAN OUT)	ON	TESTING	~ 2600 G 1/YR	SAME AS ABOVE

2. Does the generator mix hazardous waste with the used oil?(279.10) Y N X

3. If so, is the facility a CESQG? Y N A

4. If not, Is the oil mixed with a characteristic hazardous waste? Y N A
 (describe waste)

If so, does the facility document that the resultant mixture does not exhibit any characteristic of hazardous waste? Y N A

Or, if the hazardous waste is only D001, that the resultant mixture is not ignitable? Y N A

If the facility is not a CESQG, and oil is mixed with a listed hazardous waste, it must be managed as a hazardous waste.

5. Does the facility generate other materials contaminated with used oil? Y X N

If so, are the materials burned for energy recovery as used oil? Y X N
SENT TO INCINERATOR

or, Does the facility have records documenting the residuals are not hazardous waste? Y N A

6. Does the generator claim that the used oil meets the specification in 279.11? Y N X

If so, and the oil is to be burned for energy recovery, the generator is a marketer subject to 40 CFR 279 Subpart H

Subpart C

1. Does the facility store used oil only in tanks, containers or permitted hazardous waste storage units? Y X N
Are containers/tanks in good condition? (279.22(b)(1)) Y X N
Are containers/tanks leaking? (279.22(b)(2)) Y N X
Are containers/tanks storing used oil marked with the words "Used Oil", Including fill pipes used to fill underground tanks? (279.22(c)) Y N X
2. Are used oil filters stored in above ground containers which are: (62-710.850(6))
In good condition? Y N X
Closed or otherwise protected from weather? Y N
Labeled "Used Oil Filters"? Y N
Stored on an oil impervious surface? Y N
3. Have any releases to the environment occurred, other than a leak from a UST? Y N X
If so, did the facility stop the release, contain the oil, clean up the release and manage the contaminated material properly and repair or replace the leaking units prior to returning them to service? (279.22(d)) Y N/A
4. Does the generator burn on site in a space heater? (279.23) Y N X
If so, does he burn only DIY oil or oil generated on site? Y N/A
Does the heater have a capacity of no more than 0.5 million BTU/hr? Y N/A
Are combustion gasses vented to the atmosphere? Y N/A
5. Does the generator only use transporters who have received EPA Identification numbers?
Name and number IPC - FLD 065 680 613
6. If not, does the generator self-transport only used oil generated on site or DIY oil to used oil collection centers or aggregation point owned by the generator? Y N/A
Name and location of center: N/A
Location of generator aggregation point: N/A
If so, is this only in vehicles owned by the facility or facility employees? Y N/A
Is no more than 55 gallons transported at one time? Y N/A
7. Alternatively, does the generator have a tolling arrangement with a used oil reclaimer? Y N/A
Is a copy of the contract kept on site specifying
type and frequency of shipments? Y N
that the transport vehicle is owned by the processor? Y N
that the reclaimed oil will be returned to the generator? Y N

GENERATOR CHECKLIST

Facility Name: TECO - CENTRAL OPERATIONS Date: MARCH 28, 2002
 Facility Representative: BEVERLY MORGAN Facility ID #: FLD 981 477 904
 SIC Codes: 4911 Inspector: KELLY HONEY

40 CFR 262 Subpart A -- General Standards

1. Describe the facility's hazardous waste streams: for 2001/2002 (does not include AF Study)

WASTE DESCRIPTION	EPA Waste Codes	Generation Rate	Disposal Facility and EPA ID	Correct ID?	Testing or Process Knowledge
WASTE AEROSOL SPRAY CANS	D001	~ 1 drum every 3 mos.	HERITAGE ENV. SVCS IND 0932 19 012	Y	PROCESS KNOWLEDGE
SPENT PARTS WASHER SOLVENT	D001 D008	~ 165G annually	SE CHEMICAL & SOLVENT SCD 036 275 626	Y	PROCESS KNOWLEDGE & TESTING
PAINT RELATED WASTES	D001 F005 D035	~ 500G annually	SE CHEMICAL & SOLVENT	Y	PROCESS KNOWLEDGE
WASTE MINERAL SPIRITS & SOLIDS FROM POLISHER	D001 (poss some metals)	VERY LOW	SE CHEMICAL & SOLVENT		PROCESS KNOWLEDGE TESTING
SPENT SANDBLASTING MEDIA	not yet characterized	Approx 1 drum annually	to permitted TSD		TESTING
WASTE ACID	D002	~ 20G annually	HERITAGE ENV. SVCS	Y	process knowledge

(describe discrepancies in waste identification in narrative)

- Has the facility obtained an EPA ID number? (40 CFR 262.12) Y X N
 - Is the facility disposing of all its hazardous wastes to facilities permitted to accept the waste? Y X N
 - Are any hazardous wastes treated or disposed of on site? Describe in narrative. Y N X
 - Is the facility exempt from hazardous waste permit requirements? Describe in narrative. Y N A
 - Are hazardous wastes with more than 500 ppm by weight volatile organics recycled on site? Y N A
- If so, complete 265 Subparts AA and BB standards for process equipment checklists.

(* TSD ID # on manifests is that of Heritage transport LLC.)
 (same parent company, presumably)

Facility: CO CENTRAL OPS
 Date: MARCH 28, 2002

40 CFR 262 Subpart B -- The Manifest

1. Does the facility use a manifest for all its hazardous wastes? (262.20) Y X N
2. Is the facility using the correct form (EPA 8700-22; OMB #2050-0039)? Y X N
3. Does the facility ship by rail or water? (If so, check 262.23(c)) Y N X
4. Is the manifest filled out properly? Y X N

Manifest Line Item No.:

- | | | |
|--------|---|-----------------------------|
| 1. | -Generator EPA ID # | Y <u>X</u> N <u> </u> |
| | -5 digit manifest document # | Y <u> </u> N <u> </u> |
| 3. | -Generator name and mailing address | Y <u> </u> N <u> </u> |
| 4. | -Generator phone # | Y <u> </u> N <u> </u> |
| 5-8. | -Transporter names and ID #s | Y <u> </u> N <u> </u> |
| D-F. | -Transporter phone # (state requirement) | Y <u> </u> N <u> </u> |
| 9. | -TSD name and mailing address | Y <u> </u> N <u> </u> |
| 10. | -TSD # EPA ID # <u>X</u> | Y <u> </u> N <u> </u> |
| H. | -TSD Phone # (state requirement) | Y <u> </u> N <u> </u> |
| 11. | -DOT description of the waste, including hazard class, ID # and packaging group | Y <u> </u> N <u> </u> |
| 12. | -Container # and type | Y <u> </u> N <u> </u> |
| 13-14. | -Quantity of waste and units | Y <u> </u> N <u> </u> |
| I. | -EPA waste code (state requirement) | Y <u> </u> N <u> </u> |
| K. | -Handling codes (state requirement) | Y <u> </u> N <u> </u> |
| 16. | -Name, handwritten signature of generator and date | Y <u> </u> N <u> </u> |
| 17-18. | -Name, handwritten signature of transporter and date | Y <u> </u> N <u> </u> |
| 19. | -Are any manifest discrepancies noted? | Y <u> </u> N <u> </u> |
| 20. | -Name, handwritten signature of TSD and date | Y <u> </u> N <u> </u> |

Number of manifests examined 11
 Number of errors 0

** see note on previous page*

Note manifest document numbers and dates of manifests with errors below:

Manifest #	Date	Destination	Error(s)

5. Have any exception reports been filed? (262.42) Y N/A
 If so, did exception reports include legible copy of manifest and cover letter? Y N/A
6. Are manifests retained for 3 years? Y X N

40 CFR 262 Subpart C -- Pre Transport Requirements

1. Does the facility accumulate the waste on-site prior to treatment or disposal? Y X N
Circle applicable accumulation units:
Containers Tanks Drip Pads Containment Buildings
2. Are containers used to ship the waste off-site? Y X N
3. Are any containers on-site prepared for shipment? Y X N
a. If so, are the containers appropriate for the waste? (262.30) Y N
X PREPARED BY TRANSPORTER
b. Are the correct diamond-shaped DOT hazard class container labels used? (262.31) Y N
c. Are containers of 110 g or less marked with the correct DOT shipping name and number? Y N
Is a label with the language required under 262.32(b) used? Y N
Is the generator's name, address and manifest document number on the label? Y N
d. Are placards available to be provided to the transporter? (262.33) Y N
e. Are bulk packagings used (over 400 kg solid or 118 g liquid)? Y N
f. Are they marked and placarded properly? Y N

40 CFR 262 Subpart C -- Accumulation Requirements

1. Does the facility comply with the 90-day accumulation time limit? (262.34(a)) (Complete tank, container and/or drip pad checklists for units accumulating waste.) Y X N
2. If not, has the facility been issued an extension by the Department? (262.34(b)) Y N /A
3. Is each container marked with the beginning date of accumulation? (262.34(a)(2)) Y X N
4. Is each container and tank marked with the words "Hazardous Waste"? (262.34(a)(3)) Y X N
5. Are satellite accumulation points used? Describe in narrative. Y X N
6. Are satellite containers closed ((262.34(c)) and marked with the words "hazardous waste" or other words that describe the contents? Y X N
7. Do satellite accumulation points hold 55 gallons of waste or less? Y X N
8. If not, is the excess marked with the date the excess waste began accumulating? (The date must be within 3 days of the date of inspection (262.34(c)(2)) Y N /A

40 CFR 262 Subpart C -- Personnel Training -- (265.16)

1. Do facility personnel complete hazardous waste training?
Comments: Y X N
2. Is the trainer adequately trained in hazardous waste management procedures? Y X N
3. Does the training cover safety? Y X N
4. Does the training cover emergency response procedures, including equipment handling and inspection? Y X N
5. Does the training cover hazardous waste identification and handling procedures? Y X N
6. Does the facility maintain personnel training records? Y X N
7. Does the facility maintain job titles and position descriptions for employees managing hazardous waste? Y X N
8. Do the job descriptions include the requisite skills, education and experience? Y X N
9. Do the job descriptions include a list of the positions' duties? Y X N
10. Are people trained within 6 months of hiring? Y X N
11. Do they work unsupervised prior to training? Y N X
12. Is training reviewed annually? Date of last training 10-2-01 Y X N
(Jim Cook)
13. Are records maintained for three years? Y X N

265 Subpart C -- Preparedness and Prevention

1. Is there evidence of a fire, explosion or release of hazardous waste or hazardous waste constituents to the environment? (265.31) Y N X
2. Does the facility have an internal communication or alarm system? (265.32(a)) Y X N
3. Is there a telephone, alarm, 2-way radio or other device at the scene of operations immediately available and capable of summoning assistance? (265.32(b)) Y X N
4. Describe fire control equipment. Is it adequate? (265.32(c))
SEE REPORT Y X N
5. Is spill control and decontamination equipment present? (265.32(c)) Y X N

6. If sprinklers, water hoses or foam producing equipment is part of the facility fire control equipment, is water available at adequate volume and pressure? (265.32(d)) Y X N
7. Is the emergency equipment inspected and tested periodically? Y X N
 Frequency? annually - note were overdue at time of inspection - have since been re-certified
8. Is there adequate aisle space to allow unobstructed movement of facility personnel and emergency equipment to any area of the facility where needed? (265.35) Y X N
9. Has the facility made emergency response arrangements with the following: (265.37)
- Fire Department: HILLS CNTY Y X N
 Police: HILLS CNTY SHERIFF Y X N
 Hospital: TAMPA GENERAL Y X N
 Emergency Response Contractor: DIVERSIFIED MARINE TECH Y X N
10. If not, has the facility attempted to do so and is the refusal documented? Y N/A

265 Subpart D -- Contingency Plans and Emergency Response

1. Does the facility have a contingency plan? 265.51) Y X N
2. Is it at the facility and easily available? (265.53) Y X N
3. Does the plan include:
- Fire Response Procedure: N/A Y X N
 Spill Response Procedures: N/A Y X N
 Explosion Response Procedures: N/A Y X N
 A description of arrangements with local authorities: N/A Y X N
 → Emergency Coordinators: (Name) Y N
 Addresses and telephone numbers of Emergency Coordinators: Y N
 Emergency equipment list: Y X N
 Specifications and capabilities of emergency equipment: Y X N
 Locations of emergency equipment: Y X N
 An evacuation plan and routes: Y X N
 Evacuation/alarm signals: Y X N
4. Is the plan up to date, with no changes to the list of emergency equipment, list of emergency coordinators, applicable regulations or contingency plan failures since the last revision? Y N X
5. Has the plan been distributed to the local police, fire department, ERT and hospital? Circle omitted authorities. (265.53) Y X N
6. Is the emergency coordinator authorized to commit funds for incident response? Y N

Facility: ECO - CENTRAL OPS
Date: MARCH 28, 2002

40 CFR 262 Subpart D -- Record keeping and Reporting

1. Is the generator keeping the following records:

Biennial Reports (262.41)
Exception reports (262.42)
Test Results:

N/A Y X N
N/A X Y N
N/A Y X N

2. Where are records kept? SIM COOK'S OFFICE (I & R)
3. Who is in charge of keeping records? Name SIM COOK
Title _____
4. Any additional reporting, such as contingency plan implementation reports? (262.43) NA X Y N
5. Are records kept for a minimum of 3 years? Y X N

40 CFR 262 Subpart E -- Exports N/A X

1. Has the facility exported any hazardous waste? Y N
2. Has the exporter notified EPA 60 days prior to the initial shipment? Y N
3. Has the receiving country consented to receive the waste? Y N
4. Has a copy of the EPA Acknowledgment of Consent accompanied the shipment? Y N
5. Did the shipment conform, and was the manifest completed as required by 40 CFR 262.54? Y N
6. Has the exporter received confirmation of delivered shipment? Y N
7. Has the exporter submitted an annual report to EPA? Y N
8. Are all records kept a minimum of three years? (262.57) Y N

40 CFR 262 Subpart F -- Imports N/A X

1. Has the facility imported any hazardous waste? Y N
2. Has the manifest been completed per 262.60(b)? Y N

40 CFR Part 265 Subpart I - Use and Management of Containers

1. Are the containers in good condition (265.171)?
(Check for leaks, corrosion, bulges, etc.) Yes X No
2. If a container is found to be leaking, does the operator transfer the hazardous waste from the leaking container? Yes X No
3. Is the waste compatible with the containers and/or its liner (265.172)? Yes X No
4. Are the containers closed except when adding or removing wastes (265.173(a))? Yes X No
5. Are containers holding hazardous waste opened, handled or stored in such a manner as to cause the container to rupture or leak (265.173(b))? Yes No X
6. Are each of the containers inspected at least weekly? (265.174) Yes X No

Are records kept including: (62-730.160 (6) F.A.C.)

- | | |
|---|-----------------------------|
| Date? | Yes <u>X</u> No <u> </u> |
| Time? | Yes <u>X</u> No <u> </u> |
| Legibly written name of the inspector? | Yes <u>X</u> No <u> </u> |
| Number of Containers? | Yes <u> </u> No <u>X</u> |
| Condition of containers? | Yes <u>X</u> No <u> </u> |
| Notes of observations made? | Yes <u>X</u> No <u> </u> |
| Date and nature of repairs or corrective actions? | Yes <u>X</u> No <u> </u> |

COMMENTS SECTION PROVIDED

7. Are ignitable and reactive wastes stored at least 50 feet from the property boundary? (265.176) Yes X No
8. Are incompatible wastes stored in the same containers? Yes No X
9. Are containers holding incompatible wastes kept apart by physical barrier or sufficient distance? (265.35) Yes X No
10. Is there sufficient aisle space allow to allow full inspection of the containers and labels? (62-730.160(7) F.A.C.) Yes X No

265 Subpart CC *N/A*

1. Do containers hold waste with more than 500 ppm by weight of volatile organic compounds? Yes No

If so, are the containers either < 26 gallons, satellite containers or kept sealed in appropriate DOT specification containers? Yes No

If not, does the facility comply with 265 Subpart CC emissions controls and monitoring? Yes No
2. Which types of containers are on site? (Describe Level 2 and 3 controls in narrative.)
Level 1 Containers (26.4 g to 121.4 g or > 121.4 g not in light material service)
Level 2 Containers (> 121.4 g in light material service)
Level 3 Containers (>26.4 g used for waste treatment by stabilization)

Tampa Electric Company
PO Box 111
Tampa, FL 33601

**Tampa Electric
Company**

Fax

To: KELLY From: TAMPA ELECTRIC
Fax: 813 275 3142 Date: 4-22-02
Phone: _____ Pages: 18 w/cover
Re: MSDS CC: _____

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

•Comments:

From Auto Body Express #8

PAGE 1 OF 4

MATERIAL SAFETY DATA SHEET

CLEAR COTE CORPORATION
4242 31ST STREET NORTH
ST. PETERSBURG, FL 33714

DATE OF PREPARATION: 01/12/95

INFO. TELE. NO: 813-823-6230

EMERGENCY TELEPHONE NO.: 1-800-424-9300

SIGNATURE OF PREPARER: _____

SECTION I-PRODUCT IDENTIFICATION

PRODUCT CODE: LACQUER THINNER #9

HAZARDOUS CLASSIFICATION: FLAMMABLE LIQUID 173.115 UN 1263

SECTION II-HAZARDOUS INGREDIENTS

INGREDIENT	CAS NO.	OCCUPATIONAL EXPOSURE LIMITS	
		OSHA/PEL	ACGIH/TLV
acetone	108-88-3	200ppm	200ppm
isopropyl alcohol	67-64-1	750ppm	740ppm
ethyl ethyl ketone	67-63-0	400ppm	400ppm
ethylene glycol butyl ether	78-93-3	200ppm	200ppm
	111-76-2	25ppm	25ppm

SECTION III-PHYSICAL DATA

Boiling Range: 133-285F VAPOR DENSITY: X HEAVIER LIGHTER THAN AIR
Solubility in Water: NEGLIGIBLE REACTIVITY IN WATER: WILL NOT REACT
Appearance and Odor: CLEAR, LITTLE IF ANY COLOR. CHARACTERISTIC ODOR

SECTION IV-FIRE AND EXPLOSION HAZARD DATA

Flash Point: 0 DEGREES F METHOD USED: TCC AUTO IGNITION TEMP: UNKNOWN
Extinguisher Media: WATER FOG, ALCOHOL FOAM, DRY CHEMICAL OR CO2
Special Fire Fighting Procedures: FLAMMABLE LIQUID. POSITIVE PRESSURE NIOSH
Approved Self-Contained Breathing Apparatus is Suggested. COOL FIRE-EXPOSED
CONTAINERS WITH WATER

Usual Fire and Explosion Hazards: CONTAINERS EXPOSED TO INTENSE HEAT FROM
FIRES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILDUP WHICH
COULD RESULT IN RUPTURE. CONTAINER AREAS EXPOSED TO DIRECT FLAME CONTACT
SHOULD BE COOLED WITH LARGE QUANTITIES OF WATER AS NEEDED TO PREVENT WEAKENING
CONTAINER STRUCTURE

Stability: STORAGE IN OPEN CONTAINER. PROLONGED STORAGE ABOVE 100 DEGREES
Fahrenheit, EXPOSURE TO EXCESSIVE HEAT OR OPEN FLAME, STRONG ACIDS OR BASES,
DILUING AGENTS.

PAGE 2 OF 4

PRIMARY ROUTES OF ENTRY: INHALATION AND SKIN ABSORPTION.
SIGN & SYMPTOMS OF EXPOSURE: IRRITATING TO SKIN, EYE AND ALL PARTS OF
RESPIRATORY TRACT. MAY CAUSE DEPRESSION OF THE NERVOUS SYSTEM.

EMERGENCY AND FIRST AID PROCEDURE

SKIN CONTACT: FLUSH PROMPTLY WITH COPIOUS AMOUNTS OF WATER FOR 15 MINUTES..
SEEK MEDICAL ATTENTION IMMEDIATELY.

EYE CONTACT: WASH THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED
CLOTH AND SEEK MEDICAL ATTENTION.

INHALATION: REMOVE VICTIM TO A WELL VENTILATED AREA. USE OXYGEN OR
ARTIFICIAL RESPIRATION AS REQUIRED. SEEK MEDICAL ATTENTION
IMMEDIATELY.

INGESTION: CAN CAUSE IRRITATION TO THE DIGESTIVE TRACT. THIS
MATERIAL CAN ENTER LUNGS DURING SWALLOWING OR VOMITING
AND CAUSE LUNG INFLAMMATION AND DAMAGE.

PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION

SKIN EFFECTS: THIS PRODUCT MAY BE AN EYE IRRITANT. DIRECT CONTACT
WITH THE LIQUID OR EXPOSURE TO ITS VAPORS MAY CAUSE
BURNING, TEARING AND REDNESS.

EYE EFFECTS: CAN CAUSE SKIN IRRITATION. PROLONGED EXPOSURE MAY CAUSE
REDNESS, BURNING, DRYING OR CRACKING OF THE SKIN. CAN
CAUSE DERMATITIS.

INHALATION AND INGESTION: EXPOSURE TO VAPORS OR MISTS MAY CAUSE IRRITATION
TO THE NOSE AND THROAT. CAN CAUSE NERVOUS SYSTEM
DEPRESSION. CAN CAUSE IRREGULAR HEATBEATS. CAN CAUSE
CAN CAUSE IRRITATION TO THE DIGESTIVE TRACT. THIS
MATERIAL CAN ENTER LUNGS DURING SWALLOWING OR VOMITING
AND CAUSE LUNG INFLAMMATION AND DAMAGE.

SECTION VI-CONTROL AND PROTECTIVE MEASURES

RESPIRATORY: NIOSH APPROVED RESPIRATOR TO PREVENT OVER EXPOSURE.
LOCAL EXHAUST AND MECHANICAL (GENERAL) EXHAUST.

GLOVES: CHEMICAL RESISTANT SUCH AS NEOPRENE OR NITRILE TO MINIMIZE CONTACT.

EYE PROTECTION: WEAR CHEMICAL GOGGLES IF THERE IS A LIKELIHOOD OF CONTACT WITH THE EYES.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: AVOID PROLONGED OR REPEATED CONTACT WITH THE SKIN. WEAR CHEMICAL RESISTANT APRON OR OTHER IMPERVIOUS CLOTHING TO MINIMIZE CONTACT.

WORK/HYGIENIC PRACTICES: WASH WITH SOAP AND WATER BEFORE EATING OR DRINKING. LAUNDRY CLOTHING BEFORE RE-USE.

DISPOSAL: DISPOSE OF PRODUCT IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION VII-SAFE HANDLING AND USE INFORMATION

IN CASE OF SPILL: EXTINGUISH ALL SOURCES OF FLAME AND IGNITION.
ABSORB WITH INERT MATERIAL SUCH AS VERMICULITE OR SAND.
SWEEP UP AND COLLECT IN CONTAINERS TO DISPOSE AS SOLID WASTE. WASH THE AREA WITH TRI-SODIUM PHOSPHATE AND WATER.

SECTION VIII-SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
STORE IN COOL DRY AREA AWAY FROM SOURCES OF IGNITION. USE EXPLOSION PROOF EQUIPMENTS. OPEN CONTAINERS SLOWLY TO RELIEVE ANY INTERNAL PRESSURE. USE WITH ADEQUATE VENTILATION.

NET SHIPPING NAME: PAINT RELATED MATERIAL, UN 1263

HAZARD INDEX: HEALTH: 2
FLAMMABILITY: 3
REACTIVITY: 0

!!!KEEP OUT OF REACH OF CHILDREN!!!

THE INFORMATION CONTAINED HEREIN IS BASED ON TECHNICAL DATA WHICH WE BELIEVE TO BE RELIABLE, HOWEVER, SINCE THE CONDITIONS UNDER WHICH THIS INFORMATION MAY BE APPLIED ARE BEYOND OUR CONTROL, WE CAN ASSUME NO LIABILITY FOR RESULTS OF ITS APPLICATION. THE INFORMATION SHOULD BE USED ONLY BY PERSONS HAVING SUFFICIENT TECHNICAL SKILL TO MAKE INFORMED JUDGEMENTS REGARDING ITS APPLICATION.

4-22-2002 11:25AM FROM

P.5

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THE FOLLOWING SECTION X- SECTION 313 TOXIC CHEMICALS IS A PERMANENT PART OF THIS MATERIAL SAFETY DATA SHEET. IT IS NOT TO BE DETACHED. ANY COPYING OR RE-DISTRIBUTION OF THE MATERIAL DATA SHEET SHALL INCLUDE AN ATTACHED COPY OF THIS NOTICE

CON-LUX MATERIAL SAFETY DATA

PAGE 1

SECTION I

DATE: 02/09/93

MANUFACTURER'S NAME: CON-LUX Coatings, Inc.

STREET ADDRESS: 226 Talmadge Rd. Edison, NJ 08818-0847

EMERGENCY TELEPHONE NOS:

Monday-Friday / 8:30am - 5:00pm: 908-287-4000

Off hours, Weekends, & Holidays: CHEMTREC 800-424-9300

PRODUCT CLASS: SILICONE ALKYD ENAMEL

TRADE NAME: STEEL-MASTER 942-90 PADMOUNT GREEN

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS	% BY WT	OEL	LEL	VAPOR mmHg 20C
TITANIUM DIOXIDE (AS NUISANCE DUST) CAS NO. 13463-67-7	>1%	10 mg/m3 ACGIH-TLV 10 mg/m3 OSHA-PEL		0.00
MINERAL SPIRITS CAS NO. 8052-41-3	>1%	100ppm OSHA-PEL 100ppm ACGIH-TLV	1.0	2.00

* Material Regulated Under SARA Title III, Section 313

SECTION III - PHYSICAL DATA

BOILING RANGE: 210 - 369F

EVAPORATION RATE: SLOWER THAN ETHER

VAPOR DENSITY: HEAVIER THAN AIR

% VOLATILE

BY VOLUME: 54.33

WEIGHT PER

GALLON 8.13

TECO 585 4500

Paint, Green Munsell 7GY 3.29/1.5
for padmount transformers

Page 1 of 4

EDN-LOX MATERIAL SAFETY DATA

PRODUCT CODE 942-90

PAGE 2

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY: COMBUSTIBLE LIQUID
LEL: SEE SECTION II

FLASH POINT: 105°F TCC

EXTINGUISHING MEDIA:

Foam, CO2, Dry Chemical, Water Mist.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Contains flammable solvent. DO NOT use in areas where sparks or open flames are present.

SPECIAL FIRE FIGHTING PROCEDURES:

Smother flames with one of the above extinguishing media. Water may be used to cool down unopened containers in vicinity.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE See Section II

EFFECTS OF OVEREXPOSURE:

ACUTE: Irritation of eyes and skin may occur with overexposure. Continued breathing of vapors may irritate respiratory tract causing headache, nausea and dizziness.

CHRONIC: Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. Restore respiration if necessary. Treat symptomatically.

EYE CONTACT: Flush immediately with copious quantities of water for 15 minutes minimum. Consult a physician.

DERMAL CONTACT: Wash affected areas with soap and water. Remove contaminated clothing. Consult physician if irritation persists.

INGESTION: Drink 1 or 2 glasses of water to dilute DO NOT INDUCE VOMITING. If spontaneous vomiting occurs keep head at or below knee level to prevent aspiration into lungs. Consult physician or poison control center immediately.

PRIMARY ROUTES OF ENTRY: Inhalation and dermal contact

TARGET ORGAN EFFECTS:

May Affect:

DERMAL SYSTEM

NERVOUS SYSTEM

TECO 585 4500

page 2 of 4

CON-LUX MATERIAL SAFETY DATA

PRODUCT CODE 942-90

PAGE 3

SECTION VI - REACTIVITY DATA**STABILITY:** Stable**INCOMPATIBILITY (Materials to avoid):**
Oxidizing agents.**HAZARDOUS DECOMPOSITION PRODUCTS:**

May produce hazardous fumes when heated.

HAZARDOUS POLYMERIZATION:

Will not occur.

CONDITIONS TO AVOID:
Extreme heat, sparks
or open flames.**SECTION VII - SPILL AND LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate all ignition sources. Wear appropriate personal protection equipment and approved respirator. Prevent material from contacting any water sources or sewers leading to surface waters.

WASTE DISPOSAL: Dispose of in accordance with Federal, state and local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: In outdoor or open areas, where sufficient ventilation has been determined to exist, a respirator is generally not required. In restricted ventilation areas, a NIOSH/MSHA approved organic vapor respirator is recommended. During spray application, a respirator providing both organic vapor and spray mist protection is recommended unless engineering controls are adequate.

VENTILATION: In confined spaces mechanical ventilation is required to keep the air contaminant concentration below current applicable OSHA permissible exposure units.

PROTECTIVE GLOVES: Impervious type required for long or repeated overexposure.

EYE PROTECTION: Use safety eye wear to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Prevent prolonged skin contact with contaminated clothing.

HYGIENIC PRACTICES: Wash hands before eating, smoking or using washroom facilities.

TEL 585 4500

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CON-LUX MATERIAL SAFETY DATA

PRODUCT CODE 942-90

PAGE 4

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in areas designed to comply with ANSI/NFPA 30 Flammable and Combustible Liquids Code.

OTHER PRECAUTIONS: Ground containers when pouring liquids and powders to avoid static charge build up. Do not handle until manufacturers safety precautions have been read and understood. Provide adequate ventilation or respiratory protection to remove decomposition products during welding or flame cutting coated surfaces.

To the best of our knowledge, the information contained herein is accurate. However, CON-LUX Coatings, Inc. assumes no liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

TELO 585 4500
page 4 of 4

MATERIAL SAFETY DATA SHEET
COATINGS AND RESINS GROUP
PPG Industries, Inc.

DCC MSDS #1

SECTION 1. SURVEILLANCE, PROSECUTION AND GENERAL INFORMATION

PRODUCT CODE/IDENTITY:	DCC
REVISION DATE:	08/18/99 (T) 0000
CUSTOMER PART #/NAME:	Not applicable
PRODUCT TRADE NAME:	CONCEPT ACRYLIC URETHANE
CHEMICAL FAMILY:	ACRYLIC
EMERGENCY MEDICAL/SPILL (INFO):	(204) 543-1300 (U.S.) 01-000-00-214 (MEXICO) (440) 573-2890
TECHNICAL INFORMATION:	
PRODUCT SAFETY/HAZARD INFORMATION:	4936 MEDANNA DRIVE, P.O. BOX 8 ALLISON PARK, PA 15101 (412) 483-4888 08/15/00
DATE OF HAZARD PREPARATION:	

Remember: Keep away from heat, sparks, flammables, and other sources of ignition. DO NOT smoke. Keep away from flames and hot liquids. Turn off blowers, heaters, electrical circuits, and other sources of ignition during use and wait at least 15 minutes before the pump is restarted. Other than this, there are no special instructions for cleaning or maintenance. May cause respiratory irritation. Causes severe eye irritation. May be absorbed through the skin. Prolonged or repeated contact may cause an allergic skin reaction. Vapor and/or mist may be harmful if inhaled. Vapor irritates eyes, nose, and throat. Inhaling and swallowing dusts may be harmful if inhaled.

THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE WITH THE OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200, THE SUPPLIER NOTIFICATION REQUIREMENTS OF SARA TITLE III, SECTION 313, AND OTHER APPLICABLE RIGHT-TO-KNOW REGULATIONS.

SECTION 2 - COMPOSITION AND FUNCTION OF ELEMENTS

REF	HAZARDOUS WASTE ITEMS	QTY	CAS NUMBER	TABLETS/CONT
01	ETHYL BENZENE	1 - 45	100-41-4	
02	STYRENE MONOMER	1 - 10	100-42-6	1
03	1-METHOXY-2-PROPYL ACETATE	10 - 420	134-46-0	
04	2-SUBSTITUTED ISOPHATE	1 - 45	110-07-5	
05	1-BUTYL ACETATE	10 - 420	124-46-4	
06	PHENOL	10 - 100	100-91-0	
07	DIETHYL GLYCOL	1 - 45	110-80-4	1
08	TITANIUM DIOXIDE	10 - 100	13463-67-7	
09	300 NICKEL COMPLEX	1 - 10	11931-14-9	1 & A
10	AROMATIC NAPHALENE	1 - 45	64702-39-9	
11	400 NICKEL STAINLESS STEEL WARE	1 - 45	64711-42-8	1 & B & C
12	4-NITRO ALCOHOL	1 - 45	71-36-3	
13	ALUMINUM POWDER	1 - 45	7429-90-5	
14	NAPHALENE	1 - 45	120-14-4	
15	1,2,3-TRIMETHYL BENZENE	1 - 45	95-63-0	
16	400 POLYMERIZATION AND CATALYSTS	1 - 45	407-57-0	
17	NITROLOXIDE	10 - 420	407-57-0	

* CACCINOTTE: O = OSI; A: A PACOM; N = NTE; I = IARC

NAME TITLE IN A CIRCLE CLASSIFICATION

[illegible]

SARA 311/312 CATEGORIES FOR THIS PRODUCT: ACUTE = Y, CHRONIC = Y,
FLAMMABILITY = Y, PRESSURE = N, REACTIVITY = N

OCCUPATIONAL EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THE FOLLOWING MATERIALS:

[illegible]

(C- Ceiling Limit; S- Potential Skin Absorption; R- Reasonable Dust) (NOT TESTED)
ESTABLISHED - NOT APPLICABLE)

PRODUCT STATUS RELATIVE TO THE U.S. EPA TOXIC SUBSTANCES

CONTROL ACT

All chemical substances in this product are listed on the U.S. TSCA inventory or are otherwise exempt from TSCA inventory reporting requirements.

INTERVIEW BY ISLAND IDENTIFICATION

EFFECTS OF OVEREXPOSURE FROM:

INGESTION: Harmful if swallowed. Avoid skin or eye contact. May be harmful if inhaled.

- EYE CONTACT: Causes severe eye irritation.

• SKIN CONTACT: May cause moderate skin irritation. May be absorbed through the skin. Excessive or repeated contact may cause an allergic skin reaction.

WARNING: Vapor and/or spray must may be harmful if inhaled. Vapor irritates eyes, nose, and throat. Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.

CHRONIC OVEREXPOSURE: Avoid long-term and repeated contact. This product contains an amine series glycol ether alcohol acetate which has been shown to cause adverse effects on the kidneys, liver, blood and/or blood-forming tissue. This product contains tetramin chloride. Animals inhaling massive quantities of tetramin chloride dust in a long-term study developed lung tumors. Studies with humans involved in manufacture of this pigment indicate no increased risk of cancer from exposure. Percentage inhalation of tetramin chloride dusts from ceilings is very limited. Since overexposures are not expected, there is no significant hazard for man. This product contains a nickel compound. IARC classified nickel compounds as carcinogenic to humans. NTP conducted that metallic nickel and certain specific nickel compounds are carcinogenic. This product contains styrene which has been classified by the International Agency for Research on Cancer (IARC) as a Class B2 carcinogen. This classification is based on data obtained by exposing laboratory animals to styrene oxide. The evidence that styrene is a human carcinogen is inadequate. This product contains carbon black which has been listed as IARC B2 carcinogen due to animal data. Ethylenethiourea has been reported by NTP to cause cancer in laboratory animals following a chronic (2 year) inhalation exposure. Dose levels of 75, 350 and 750 ppm were used, with evidence of carcinogenicity found in the kidneys of rats and the lungs and liver of mice at 750 ppm. The No Observed Effect Level (NOEL) was 75 ppm. The degree of risk to humans is uncertain, but ethylenethiourea should be employed to reduce or eliminate carcinogenic exposure to ethylenethiourea. High exposures to ethylenethiourea in some animal studies have been reported to cause health effects on the developing embryo and fetus. These effects were often in levels toxic to the mother. The significance of these findings to humans has not been determined.



Manufactured and Supplied by:
REFINISH PRODUCTS
18600 PROGRESS DRIVE STRONGSVILLE, OH 44138

contains styrene which has been classified by the International Agency for Research on Cancer (IARC) as a Class 2B carcinogen. This classification is based on data obtained by exposing laboratory animals to styrene oxide. The evidence that styrene is a human carcinogen is inadequate. This product contains carbon black which has been rated an IARC 2B carcinogen due to animal data. Ethylbenzene has been reported by NTP to cause cancer in laboratory animals following a chronic 12 week inhalation exposure. Dose levels of 70, 250 and 750 ppm were used, with evidence of carcinogenicity found in the kidneys of rats and the lung and liver of mice at 750 ppm. The No Observed Effect Level (NOEL) was 75 ppm. The relevance of these findings to humans is uncertain, but appropriate safeguards should be employed to reduce or eliminate inhalation exposure to ethylbenzene. High exposure to styrene in some animal studies have been reported to cause health effects on the developing embryo and fetus. These effects were often at levels toxic to the mother. The significance of these findings to humans has not been determined.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Contains lead. Lead poisoning is characterized by a metallic taste in the mouth, loss of appetite, indigestion, nausea, vomiting, constipation, abdominal cramps, disturbance of rest and sleep, and weakness. Other form of this product may be harmful if chewed or swallowed. Eye watering, headaches, nausea, dizziness, and loss of coordination are indications that solvent levels are too high. Intentional misuse by deliberately overconsuming and inhaling the contents can be harmful or fatal. Redness, itching, burning sensation and visual disturbances may indicate excessive eye contact. Dryness, itching, cracking, burning, redness, and swelling are conditions associated with excessive skin contact.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Not applicable.

WARNING: This product contains a chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

- INGESTION:** If swallowed, induce vomiting by giving 1 ounce of syrup of ipecac followed by 8 to 10 ounces of water. Wipe out inside mouth to remove any residual material.
- EYE CONTACT:** In case of eye contact, remove contact lenses and flush eyes immediately with a gentle stream of lukewarm water for at least 15 minutes.
- SKIN CONTACT:** In case of skin contact, flush immediately with plenty of water for at least 15 minutes, followed by waterless hand cleaner and soap and water if the material appears to adhere to skin.
- INHALATION:** If affected by inhalation of vapor or spray mist, remove to fresh air. Apply artificial respiration and other support measures as required.
- OTHER:** If ingestion, any type of overexposure or symptoms of overexposure occur during or following the use of this product, contact a poison control center, emergency room or physician immediately; have Material Safety Data Sheet information available.

FLASHPOINT: 40 Degrees F (4 Degrees C) (PENSKY-MARTENS CLOSED CUP)

FLAMMABLE LIMITS: Lower explosion limit (LEL): 1.0

Upper explosion limit (UEL): Not available

EXTINGUISHING MEDIA: Use National Fire Protection Association (NFPA) Class B extinguishers (carbon dioxide, dry chemical, or universal aqueous film forming foam) designed to extinguish NFPA Class B flammable liquid fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep this product away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors, static electricity). Invisible vapors can travel to a source of ignition and flash back. Do not smoke while using this product. Keep containers tightly closed when not in use. Closed containers may explode when overheated. Do not apply to hot surfaces. Toxic gases may form when this product comes in contact with extreme heat.

SPECIAL FIRE FIGHTING PROCEDURES: Water spray may be ineffective. Water spray may be used to cool closed containers to prevent pressure build-up and possible explosion or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable. Fire-fighters should wear self-contained breathing apparatus and full protective clothing.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Provide maximum ventilation. Only personnel equipped with proper respiratory, skin, and eye protection should be permitted in the area. Remove all sources of ignition. Take up spilled material with sand, vermiculite, or other noncombustible absorbent material and place in clean, empty containers for disposal. Only the spilled material and the absorbent should be placed in this container.

WASTE DISPOSAL METHOD: Waste material must be disposed of in accordance with federal, state, provincial, and local environmental control regulations. Empty containers should be recycled or disposed of through an approved waste management facility.

HANDLING AND STORAGE PRECAUTIONS: Do not store above 120 degrees F (48 degrees C). Store large quantities in buildings designed and protected for storage of NFPA Class B flammable liquids.

OTHER PRECAUTIONS: Vapors may collect in low areas. If this material is part of a multiple component system, read the Material Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts. Containers should be grounded when pouring. Avoid from fall of liquids in areas of a few inches. Do not apply on toys or other children's articles, furniture, or

interior surfaces of any dwelling or facility. Do not apply on those exterior surfaces of any dwelling units, such as windowsills, porches, stairs, or railings to which children may be commonly exposed. Wash thoroughly before eating or smoking.

PERSONAL PROTECTIVE EQUIPMENT FOR:

EYE PROTECTION: Wear chemical-type splash goggles or full face shield when possibility exists for eye contact due to splashing or spraying liquid, airborne particles, or vapors.

SKIN PROTECTION: Wear protective clothing sufficient to cover exposed skin surfaces. For applications where skin contact is likely and impermeable clothing is necessary, select clothing constructed of neoprene rubber or nitrile rubber. No specific permeation/degradation testing have been done on protective clothing for this product. Recommendations for skin protection are based on inferred contact with this product. For frequent contact or total immersion, consult a manufacturer of protective clothing for appropriate chemical impervious ensembles.

RESPIRATORY PROTECTION: Overexposure to vapors may be prevented by ensuring proper ventilation controls, vapor exhaust or fresh air entry. A NIOSH-approved air purifying respirator with the appropriate chemical cartridge or a positive-pressure, air-supplied respirator may also reduce exposure. Read the respirator manufacturer's instructions and literature carefully to determine the type of airborne contaminants against which the respirator is effective, its limitations, and how it is to be properly fitted and used.

OTHER EQUIPMENT: Clean contaminated clothing and shoes.

VENTILATION REQUIREMENTS: Provide general dilution or local exhaust ventilation in volume and pattern to keep the concentration of ingredients listed in Section 2 below the lowest suggested exposure limits, the LEL, below the stated limit, and to remove decomposition products during welding or flame cutting.

SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

(FORMULA VALUES, NOT SALES SPECIFICATIONS)

BOILING RANGE: 180-210 Degrees F **SOLUBILITY IN WATER:** 2.2 %
VAPOR PRESSURE: 5.4 mmHg **WEIGHT/GALLON (LBS):** 9.50 (U.S.)
VAPOR DENSITY: Heavier than air **pH:** Not applicable
% VOLATILE/VOLUME: 48-58 **% SOLIDS BY WEIGHT:** 43-53
SPECIFIC GRAVITY: 1.058 **EVAPORATION RATE (BODAC = 100):** 84
ODOR/APPEARANCE: Viscous liquid with an odor characteristic of the solvents listed in Section 2.

SECTION 4: STABILITY AND REACTIVITY

Stability: This product is normally stable and will not undergo hazardous reactions.

INCOMPATIBILITY (MATERIALS AND CONDITIONS TO AVOID): High concentrations of airborne dust may ignite explosively. All ignition sources should be eliminated when this product is dispersed in air. Avoid contact with strong alkalies, strong mineral acids, or strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: May produce the following hazardous decomposition products when exposed to extreme heat: carbon monoxide; carbon dioxide; formaldehyde; lower molecular weight polymer fractions; oxides of nitrogen; oxides of chromium; oxides of molybdenum; Extensive heat includes, but is not limited to, flame cutting, brazing, and welding.

Hazardous Materials Identification System (HMIS) and National Fire Protection Association (NFPA) Ratings:

HMIS Rating	NFPA Rating
HEALTH 3*	HEALTH 3
FLAMMABILITY 3	FLAMMABILITY 3
REACTIVITY 0	INSTABILITY 0

Rating System: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe, * = Chronic Effects.

Safe handling of this product requires that all of the information on the MSDS be evaluated

for specific work environments and conditions of use.

THIS IS THE END OF THE MSDS

(00150893.002DCC-2)



Manufactured and Supplied by:
REFINISH PRODUCTS
 19889 PROGRESS DRIVE STRONGSVILLE, OH 44138

MATERIAL SAFETY DATA SHEET
COATINGS AND RESINS GROUP
PPG Industries, Inc.

SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT CODE/IDENTITY:	DP401LF
REVISION DATE:	12/02/97 1000 0000
CUSTOMER PART #/NAME:	
PRODUCT TRADE NAME:	EPOXY PRIMER CATALYST
CHEMICAL #/NAME:	Pentamix
EMERGENCY MEDICAL/SPILL INFO:	(304) 843-1300 (U.S.) E-MAIL: epco@epco.com
TECHNICAL INFORMATION:	(404) 572-2800
PRODUCT SAFETY/MSDS INFORMATION:	3225 ROSANNA DRIVE, P.O. BOX 9 MILLSBORO, Delaware, 19966 (410) 492-5555
DATE OF MSDS PREPARATION:	02/28/98

PROPERTY MAINTENANCE

Significantly keep away from heat, smoke, flames, and other sources of ignition. Do not smoke. Extinguish all flames and open flames. Turn off engine before refueling. Do not fill tank or other vessels of liquid during use and wait at least 10 minutes are gone. Ignition on level of oil (oil) should be kept moderate in intensity. Do not use any other liquid. May be harmful if absorbed through the skin. Precaution or measures should be taken to avoid or prevent skin contact. Vapor and/or mist may be harmful if inhaled. Vapor irritates eyes, nose, and throat.

THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE WITH THE OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200. THE SUPPLIER NOTIFICATION REQUIREMENTS OF SARA TITLE III, SECTION 312, AND OTHER APPLICABLE RIGHT-TO-KNOW REGULATIONS

SECTION 2: COMPOSITION AND ORIGIN OF MONUMENTS

REF	HAZARDOUS INGREDIENTS	PERCENT	CAS NUMBER	CAUTION CODE
01	METHYL METHACRYLATE	20	118-43-8	
02	BUTYL METHACRYLATE	5	111-76-2	
03	STYRENE	10	1330-20-7	
04	ISOBUTYL ALCOHOL	5	67-63-0	
05	POLYAMIDE RESIN	20	68410-23-1	
06	ORG-METHYL ACETATE	10	90428-79-2	

* Carcinogens: Q-QS4A; A-ACGIH; N-NTP; I-IARC

SARA TITLE III & CERCLA CLASSIFICATIONS

REF	SARA 102 RD (LBS)	SARA 102 TPD (LBS)	SARA 317	SARA 311/312			
				AC	SH	FL	PH
01	NOT ESTAB	NOT ESTAB	N	Y	N	Y	N
02	NOT ESTAB	NOT ESTAB	N	Y	Y	Y	N
03	100	NOT ESTAB	Y	Y	N	Y	N
04	NOT ESTAB	NOT ESTAB	N	Y	N	Y	N
05	NOT ESTAB	NOT ESTAB	N	Y	N	N	N
06	NOT ESTAB	NOT ESTAB	N	Y	N	Y	N

GARA 3117312 CATEGORIES FOR THIS PRODUCT: ACUTE = Y, CHRONIC = Y,
 FLAMMABILITY = Y, PRESSURE = N, REACTIVITY = N

OCCUPATIONAL EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THE FOLLOWING MATERIALS:

REF	ACGM		U.S. OSHA	
	TLV-THA	TLV-STEL	PEL-THA	PEL-STEL
01	50 ppm	NOT ESTAB	100 ppm	NOT ESTAB
02	25 ppm	NOT ESTAB	25 ppm	NOT ESTAB
03	100 ppm	150 ppm	100 ppm	150 ppm
04	400 ppm	500 ppm	400 ppm	500 ppm
05	NOT ESTAB	NOT ESTAB	NOT ESTAB	NOT ESTAB
06	NOT ESTAB	NOT ESTAB	NOT ESTAB	NOT ESTAB

(C- Ceiling Limit; S- Potential Skin Absorption; R- Respirable Dust) (NOT SETAQ. = NOT ESTABLISHED = NOT APPLICABLE)

PRODUCT STATUS RELATIVE TO THE U.S. EPA TOXIC SUBSTANCES

CONTROL ACT

All chemical substances in this product are listed on the U.S. TSCA

inventory or are otherwise exempt from TSCA inventory reporting requirements.

INTERESTS - MALAPROSPERITY

EFFECTS OF OVEREXPOSURE FROM:

- **INGESTION:** Harmful or fatal if swallowed.
- **EYE CONTACT:** Causes severe eye irritation.
- **SKIN CONTACT:** May cause moderate skin irritation. May be harmful if absorbed through the skin. Prolonged or repeated contact may cause an allergic skin reaction.
- **INHALATION:** Vapor and/or spray mist harmful if inhaled. Vapor irritates eyes, nose, and throat. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.
- **CHRONIC OVEREXPOSURE:** Avoids long-term and repeated contact. This product contains an ethylene oxide plasticizer and/or acetate which has been shown to cause adverse effects on the kidney, liver, blood and/or blood-forming tissues.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: EYE IRRITATION, HEADACHES, ANNOYANCE

decreases, and loss of coordination are indications that balance levels are too high. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Dizziness, iting, burning sensation and visual disturbances may indicate excessive eye contact. Chryms, itching, cracking, burning, redness, and swelling are conditions associated with excessive skin contact.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Not applicable

SECTION 4 - FIRST AID MEASURES

WARNING: If swallowed, do not induce vomiting. Gently wipe out inside mouth to remove any residual material.

- **EYE CONTACT:** In case of eye contact, remove contact lenses, flush eye immediately with a gentle stream of warm water for at least 30 minutes.
- **SKIN CONTACT:** In case of skin contact, flush immediately with plenty of water for at least 15 minutes followed by washing with soap and water.
- **INHALATION:** If affected by inhalation of vapor or spray mist, remove to fresh air. Apply artificial respiration and other support measures as required.
- **OTHER:** If ingestion, any type of overexposure or symptoms of overexposure occur during or following the use of the product, contact a poison control center, emergency room or physician immediately. Have Material Safety Data Sheet information available.

19-00000

FLASHPOINT: 60 Degrees F (14 Degrees C) (PENSLEY-MARTENS CLOSED CUP)

FLAMMABLE LIMITS: Lower explosion limit (LEL): 1.5

Upper explosion limit (UEL): Not available

EXTINGUISHING MEDIA: Use National Fire Protection Association (NFPA) Class B extinguishers (carbon dioxide, dry chemical, or universal aqueous film forming foam) designed to extinguish NFPA Class II flammable liquid fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep this product away from heat, sparks, flames, and other sources of ignition (i.e., pilot lights, electric motors, static electricity). Invisible vapors can travel to a source of ignition and flash back. Do not smoke while using this product. Keep containers tightly closed when not in use. Closed containers may explode when overheated. Do not apply to hot surfaces. Toxic gases may form when this product comes in contact with extremely heat.

SPECIAL FIRE FIGHTING PROCEDURES: Water spray may be ineffective. Water spray may be used to cool closed containers to prevent pressure build-up and possible detonation or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable. Fire-fighters should wear self-contained breathing apparatus and full protective clothing.

SECTION 8 - ACCIDENTAL RELEASE INFORMATION

STEPS TO BE TAKEN WHEN CASE MATERIAL IS RELEASED OR SPOILED: Provide maximum ventilation. Only personnel equipped with grade 400-7400, skin, and eye protection should be permitted in the area. Remove all sources of ignition. Take up spilled material with sand, vermiculite, or other noncombustible absorbent material and place in clean, empty containers for disposal. Only the spilled material and the absorbent should be placed in this container.

WASTE DISPOSAL METHOD: Waste material must be disposed of in accordance with federal, state, provincial, and local environmental control regulations. Empty containers should be recycled or disposed of through an approved waste management facility.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Do not store above 120 degrees F. (48 degrees C.). Store large quantities in buildings designed and protected for storage of NFPA Class II flammable liquids.

OTHER PRECAUTIONS: Vapors may collect in low areas. If this material is part of a multiple component system, read the Material Safety Data Sheet(s) for the other



Manufactured and Supplied by:
REFINISH PRODUCTS
12888 PROGRESS DRIVE STRONGSVILLE, OH 44138

MATERIAL SAFETY DATA SHEET

COATINGS AND RESINS GROUP

PPG Industries, Inc.

SECTION 1 - CHEMICAL, PRODUCT, AND COMPANY INFORMATION

PRODUCT IDENTIFICATION: DP402
REVISION DATE: 12/19/97 10001 9999
CUSTOMER PART #/NAME:
PRODUCT TRADE NAME: EPOXY PRIMER CATALYST
CHEMICAL FAMILY: Epoxy
EMERGENCY MEDICAL/SPILL INFO: (202) 843-1300 (in NJ)
 (1-800-663-1141 (outside NJ)
TECHNICAL INFORMATION: 1440 512-2800
PRODUCT SAFETY/MSDS INFORMATION: #323 NOJAMES DRIVE, P.O. BOX 3
 ALLYPOLE PARK, PA 19101
 610-482-6145
DATE OF MSDS PREPARATION: 02/26/98

PRIMARY HAZARD WARNING

Flammable. Keep away from heat, sparks, flames, and other sources of ignition. Do not smoke. Extinguish all flames and stop lights. Turn off alcohol, heaters, electrical motors, and other sources of ignition during use and when all operations are done. Handle in a well-ventilated area for complete. This product contains a material which causes skin burns. This product contains a material which causes irreversible eye damage. Wear eye protection through the skin. Vapor and/or spray may be harmful if inhaled. Vapor irritates eyes, nose, and throat. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.

THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE WITH THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200), THE SUPPLIER NOTIFICATION REQUIREMENTS OF SARA TITLE III, SECTION 313, AND OTHER APPLICABLE RIGHT-TO-KNOW REGULATIONS.

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

REF	HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER	CARCINOGEN*
01	ETHYL BENZENE	1 - 15	100-41-4	
02	PROPYLENE GLYCOL MONOMETHYL ETHER	10 - 20	107-98-2	
03	TOLUENE	10 - 20	108-88-3	
04	METHYL (METHYL) KETONE	2 - 10	128-43-8	
05	N-BUTYL ACETATE	1 - 15	123-84-3	
06	STYRENE	1 - 15	100-42-5	
07	ALIPHATIC AMINE RESIN	1 - 15	31326-29-1	
08	ISOPROPYL ALCOHOL	20 - 30	67-63-0	
09	N-BUTYL ALCOHOL	1 - 15	71-36-3	
10	METHYL ETHYL KETONE	10 - 20	79-93-2	

* Carcinogens: O = OSHA, A = ACGIH, N = NTP, I = IARC

SARA TITLE III & CERCLA CLASSIFICATIONS

REF	SARA 102 (153)	SARA 302 (153)	SARA 313	HC	CH	PL	PR	RE
01	1000	NOT ESTAB						
02	NOT ESTAB	NOT ESTAB						
03	1000	NOT ESTAB						
04	NOT ESTAB	NOT ESTAB						
05	5000	NOT ESTAB						
06	100	NOT ESTAB						
07	NOT ESTAB	NOT ESTAB						
08	NOT ESTAB	NOT ESTAB						
09	5000	NOT ESTAB						
10	5000	NOT ESTAB						

SARA 311/312 CATEGORIES FOR THIS PRODUCT: ACUTE = Y, CHRONIC = Y, FLAMMABILITY = Y, PRESSURE = N, REACTIVITY = N

OCCUPATIONAL EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THE FOLLOWING MATERIALS:

REF	TLV-TWA	TLV-STEL	PEL-TWA	PEL-STEL
01	100 ppm	125 ppm	100 ppm	125 ppm
02	100 ppm	150 ppm	100 ppm	150 ppm
03	50 ppm	NOT ESTAB	100 ppm	350 ppm
04	50 ppm	NOT ESTAB	100 ppm	NOT ESTAB
05	150 ppm	200 ppm	150 ppm	200 ppm
06	100 ppm	150 ppm	100 ppm	150 ppm
07	NOT ESTAB	NOT ESTAB	NOT ESTAB	NOT ESTAB
08	400 ppm	500 ppm	400 ppm	500 ppm
09	50 ppm	NOT ESTAB	50 ppm	NOT ESTAB
10	200 ppm	300 ppm	200 ppm	300 ppm

10 PEL TWA NOT ESTAB PEL STEL 250 ppm

(C: Ceiling Limit, E: Potential Skin Absorption, R: Respirable Dust) [NOT ESTAB. - NOT ESTABLISHED - NOT APPLICABLE]

PRODUCT STATUS RELATIVE TO THE U.S. EPA TOXIC SUBSTANCES

CONTROL ACT

All chemical substances in this product are listed on the U.S. TSCA inventory or are otherwise exempt from TSCA inventory reporting requirements.

SECTION 3 - HAZARD IDENTIFICATION

EFFECTS OF OVEREXPOSURE FROM:

- INGESTION:** Harmful if swallowed.
- EYE CONTACT:** This product contains a material which causes irreversible eye damage.
- SKIN CONTACT:** May be corrosive. This product contains a material which causes skin burns. May be absorbing through the skin.
- INHALATION:** Vapor and/or spray may be harmful if inhaled. Vapor irritates eyes, nose, and throat. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.
- CHRONIC OVEREXPOSURE:** Avoid long-term and repeated contact. This product contains methyl ethyl ketone (MEK). MEK has been shown to cause minor embryonic/fetal effects in laboratory animals exposed for prolonged periods at high concentrations via inhalation. The potential for human exposure to high concentrations is expected to be low due to the flammability of MEK at low concentrations. This product contains toluene. Toluene absorption in humans (greater than 1500 ppm) and intentional inhalation of toluene-containing products by humans (e.g., glue) has caused adverse fetal development effects. Ethylbenzene has been reported by NTP to cause cancer in laboratory animals following a chronic (2 year) inhalation exposure. Dose levels of 75, 250 and 750 ppm were used, with evidence of carcinogenicity found in the kidneys of rats and the lung and liver of mice at 750 ppm. The No Observed Effect Level (NOEL) was 75 ppm. The relevance of these findings to humans is uncertain, but appropriate safeguards should be employed to reduce or eliminate inhalation exposure to ethylbenzene.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Eye watering, headaches, nausea, dizziness, and loss of coordination are indications that solvent levels are too high. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Redness, itching, burning sensation and visual disturbances may indicate excessive eye contact. Dizziness, lightheadedness, burning, redness, and swelling are conditions associated with excessive skin contact.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Not applicable.

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

SECTION 4 - FIRST AID MEASURES

- INGESTION:** If swallowed, give one to two small sips of water, but do not induce vomiting. Gently wipe out inside mouth to remove any residual material.
- EYE CONTACT:** In case of eye contact, remove contact lenses. Flush eye immediately with a gentle stream of warm water for at least 30 minutes.
- SKIN CONTACT:** In case of skin contact, flush immediately with plenty of water for at least 15 minutes, followed by waterless hand cleaner and soap and water if the material appears to adhere to skin.
- INHALATION:** If affected by inhalation of vapor or spray, remove to fresh air. Apply artificial respiration and other support measures as required.
- OTHER:** If ingestion, the type of overexposure or symptoms of overexposure occur during or following the use of this product, contact a poison control center, emergency room or physician immediately. Have Material Safety Data Sheet information available.

SECTION 5 - FIRE FIGHTING MEASURES

- FLASHPOINT:** 34 Degrees F (2 Degrees C) PENNSYLVANIA CLOSED CUP
- FLAMMABLE LIMITS:** Lower explosion limit (LEL): 1.7
- Upper explosion limit (UEL):** Not available
- EXTINGUISHING MEDIA:** Use National Fire Protection Association (NFPA) Class B extinguishers (carbon dioxide, dry chemical, or universal aqueous foam forming foam) designed to extinguish NFPA Class B flammable liquid fires.
- UNUSUAL FIRE AND EXPLOSION HAZARDS:** Keep this product away from heat, sparks, flame, and other sources of ignition (e.g., open lights, electric motors, static electricity).



Manufactured and Supplied by:
 REFINISH PRODUCTS
 19839 PROGRESS DRIVE STRONGSVILLE, OH 44138

MATERIAL SAFETY DATA SHEET

COATINGS AND RESINS GROUP

PPG Industries, Inc.

SECTION 1: CHEMICAL, PRODUCT, AND COMPANY INFORMATION

PRODUCT CODE/IDENTITY: DPGOLF
REVISION DATE: 03/14/99 (0001 001)
CUSTOMER PART #/NAME:
PRODUCT TRADE NAME: BERRY PRIMER LIGHT GRAY
CHEMICAL FAMILY: Epoxy
EMERGENCY MEDICAL/SPILL INFO: (360) 963-1300 (U.S.)
 01-800-00-214 (INJURED)
 (440) 672-2000
TECHNICAL INFORMATION:
PRODUCT SAFETY/MSDS INFORMATION: 6320 NOTAMMA DRIVE, P.O. BOX 4
 ALLISON PARK, PA 15101
 (412) 492-6660
DATE OF MSDS PREPARATION: 05/14/99

HAZARDOUS MATERIALS INFORMATION

Flammable. Keep away from heat, sparks, flames, and other sources of ignition. Do not smoke. Keep away from flames and open lights. Turn off engines, heaters, electrical motors, and other sources of ignition during use and until all vapors/gases are gone. Materials in this container may cause moderate skin irritation. Causes severe eye irritation. May be harmful if absorbed through the skin. Prolonged or repeated contact may cause an allergic skin reaction. Vapor and/or spray may be harmful if inhaled. Vapor irritates eyes, nose, and throat.

THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE WITH THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200). THE SUPPLIER NOTIFICATION REQUIREMENTS OF SARA TITLE III, SECTION 313, AND OTHER APPLICABLE RIGHT-TO-KNOW REGULATIONS.

SECTION 2: HAZARDOUS MATERIALS INFORMATION CONTINUED

REF	HAZARDOUS INGREDIENTS	PERCENT	CAS NUMBER	CARCINOGEN
01	ETHYL BENZENE	0.1 - 42	100-41-4	
02	METHYL ISOBUTYL KETONE	5 - 10	109-10-1	
03	TOLUENE	1 - 45	108-88-3	
04	METHYL METHYL KETONE	10 - 420	110-43-0	
05	2-BUTOXY ETHANOL	1 - 45	311-78-2	
06	AMORPHOUS SILICA	1 - 45	112926-00-4	
07	CALCIUM CARBOXYLATE	5 - 410	1317-85-3	
08	HYDRES	1 - 49	1230-20-7	
09	Carbon Black	0.1 - 41	1333-86-4	
10	TITANIUM DIOXIDE	5 - 410	13463-67-7	
11	TALC	1 - 45	14807-96-9	
12	QUARTZ	0.1 - 41	14808-60-7	
13	EPPOXY RESIN	10 - 420	25068-38-6	
14	VINYL RESIN	1 - 45	25006-48-0	
15	AMPHOTIC NAPHTHA	1 - 45	64742-93-4	
16	SODIUM SULFATE	10 - 420	7732-40-7	
17	1,2-DIETHYLMETHYL BENZENE	1 - 45	95-62-6	

* Carcinogens: O = OSHA; A = ACGIH; N = NTP; I = IARC

SARA TITLE III & CERCLA CLASSIFICATIONS

REF	SARA 302 (L) (OS)	SARA 307 (L) (OS)	SMF 313	AC	CH	PL	48	RE
01	1000	NOT ESTAB	Y	Y	Y	Y	N	N
02	9000	NOT ESTAB	Y	Y	Y	Y	N	N
03	1000	NOT ESTAB	Y	Y	Y	Y	N	N
04	NOT ESTAB	NOT ESTAB	N	Y	Y	Y	N	N
05	NOT ESTAB	NOT ESTAB	Y	Y	Y	Y	N	N
06	NOT ESTAB	NOT ESTAB	N	Y	Y	Y	N	N
07	NOT ESTAB	NOT ESTAB	N	Y	Y	Y	N	N
08	100	NOT ESTAB	Y	Y	Y	Y	N	N
09	NOT ESTAB	NOT ESTAB	N	Y	Y	Y	N	N
10	NOT ESTAB	NOT ESTAB	N	Y	Y	Y	N	N
11	NOT ESTAB	NOT ESTAB	N	Y	Y	Y	N	N
12	NOT ESTAB	NOT ESTAB	N	Y	Y	Y	N	N
13	NOT ESTAB	NOT ESTAB	N	Y	Y	Y	N	N
14	NOT ESTAB	NOT ESTAB	N	Y	Y	Y	N	N
15	NOT ESTAB	NOT ESTAB	N	Y	Y	Y	N	N
16	NOT ESTAB	NOT ESTAB	Y	Y	Y	Y	N	N
17	NOT ESTAB	NOT ESTAB	Y	Y	Y	Y	N	N

SARA 311/312 CATEGORIES FOR THIS PRODUCT: ACUTE = Y, CHRONIC = Y, FLAMMABILITY = Y, PRESSURE = N, REACTIVITY = N

OCCUPATIONAL EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THE

FOLLOWING MATERIALS:

REF	TLV-TWA	TLV-STEL	PEL-TWA	PEL-STEL
01	100 ppm	125 ppm	100 ppm	125 ppm
02	50 ppm	75 ppm	50 ppm	75 ppm
03	50 ppm	NOT ESTAB	100 ppm	150 ppm
04	50 ppm	NOT ESTAB	100 ppm	NOT ESTAB
05	25 ppm	NOT ESTAB	25 ppm	NOT ESTAB
06	10 mg/m ³	NOT ESTAB	5 mg/m ³	NOT ESTAB
07	10 mg/m ³	NOT ESTAB	5 mg/m ³	NOT ESTAB
08	100 ppm	130 ppm	100 ppm	150 ppm
09	5 mg/m ³	NOT ESTAB	5 mg/m ³	NOT ESTAB
10	10 mg/m ³	NOT ESTAB	10 mg/m ³	NOT ESTAB
11	2 mg/m ³	NOT ESTAB	2 mg/m ³	NOT ESTAB
12	0.1 mg/m ³	NOT ESTAB	0.1 mg/m ³	NOT ESTAB
13	NOT ESTAB	NOT ESTAB	NOT ESTAB	NOT ESTAB
14	NOT ESTAB	NOT ESTAB	NOT ESTAB	NOT ESTAB
15	NOT ESTAB	NOT ESTAB	NOT ESTAB	NOT ESTAB
16	10 mg/m ³	NOT ESTAB	5 mg/m ³	NOT ESTAB
17	NOT ESTAB	NOT ESTAB	NOT ESTAB	NOT ESTAB

(C: Ceiling Limit; S: Potentially Skin Absorption; R: Respirable Dust; (NOT ESTAB. = NOT ESTABLISHED - NOT APPLICABLE)

PRODUCT STATUS RELATIVE TO THE U.S. EPA TOXIC SUBSTANCES

CONTROL ACT

All chemical substances in this product are listed on the U.S. TSCA Inventory or are otherwise exempt from TSCA inventory reporting requirements.

SECTION 3: HAZARDOUS EXPOSURE INFORMATION

EFFECTS OF OVEREXPOSURE FROM:

• INGESTION: Harmful or fatal if swallowed.

• EYE CONTACT: Causes severe eye irritation.

• SKIN CONTACT: May cause moderate skin irritation. May be harmful if absorbed through the skin. Prolonged or repeated contact may cause an allergic skin reaction.

• INHALATION: Vapor and/or spray may be harmful if inhaled. Vapor irritates eyes, nose, and throat. Repeated exposures to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.

• CHRONIC OVEREXPOSURE: Avoid long-term and repeated contact. This product contains ethylbenzene which has been classified as a human carcinogen by IARC. Long-term exposures may also lead to a disabling lung condition known as bronchitis. The risk depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. Use of appropriate personal protective equipment and/or engineering controls should be employed whenever these types of operations are being performed. This product contains an ethylene glycol ether and/or acetate which has been shown to cause adverse effects on the kidneys, liver, blood and/or blood-forming tissue. This product contains titanium dioxide. Animals inhaling massive quantities of titanium dioxide dust in a long-term study developed lung tumors. Studies with humans involved in manufacture of this pigment indicate no increased risk of cancer from exposure. Potential for inhalation of titanium dioxide dusts from coatings is very limited. Since overexposure is not expected, there is no significant hazard for man. The product contains polyurethane. Inhalation in animals (greater than 1500 ppm) and intentional inhalation of toluene-containing products by humans (e.g. glue) has caused adverse fetal development effects. This product contains talc. In a lifetime inhalation study female rats exposed to an elevated respirable concentration 10 times the Permissible Exposure Limit of equivalent grade talc developed lung cancer. To date, no U.S. regulatory agency has classified talc as a carcinogen based on this data. The product contains carbon black which has been rated as a carcinogen due to animal data. Ethylbenzene has been reported by NTP to cause cancer in laboratory animals following a chronic (2 year) inhalation exposure. Dose levels of 75, 250 and 750 ppm were used, with evidence of carcinogenicity found in the livers of rats and the lung and liver of mice at 750 ppm. The No Observed Effect Level (NOEL) was 75 ppm. The relevance of these findings to humans is uncertain. Our proprietary ingredients should be employed to reduce or eliminate inhalation exposure to ethylbenzene.

• SIGNS AND SYMPTOMS OF OVEREXPOSURE: Eye watering, headaches, nausea, dizziness, and loss of coordination are indications that solvent levels are too high. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or



Manufactured and Supplied by:
 REFINISH PRODUCTS
 18888 PROGRESS DRIVE STRONGSVILLE, OH 44138

MATERIAL SAFETY DATA SHEET

COATINGS AND RESINS GROUP

PPG Industries, Inc.

SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT CODE/IDENTITY: DTE86
REVISION DATE: 10/18/99 (0001 0808)
CUSTOMER PART #/NAME:
PRODUCT TRADE NAME: REDUCER
CHEMICAL FAMILY: SOLVENT BLEND
EMERGENCY MEDICAL/SPILL INFO: (800) 441-7700 (U.S.)
 (813) 880-0021 (FLORIDA)
 (408) 473-2800
TECHNICAL INFORMATION:
PRODUCT SAFETY/MSDS INFORMATION: ©2000 PPG INDUSTRIES, INC. P.O. BOX 8
 ALLISON PARK, PA 15101
 (412) 882-6588
DATE OF MSDS PREPARATION: 03/03/00

Flammable. Keep away from heat, sparks, flames, and other sources of ignition. Do not smoke. Extinguish all flames and pilot lights. Turn off flames, heaters, electrical heaters, and other sources of ignition during use and until all vapors have been removed. If swallowed, may cause respiratory skin irritation. Causes severe eye irritation. May be absorbed through the skin. Vapor and/or spray may be harmful if inhaled. Vapor irritates eyes, nose, and throat.

THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE WITH THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200), THE SUPPLIER NOTIFICATION REQUIREMENTS OF SARA TITLE III, SECTION 313, AND OTHER APPLICABLE RIGHT-TO-KNOW REGULATIONS.

SECTION 2: HAZARD IDENTIFICATION INFORMATION ON THIS PRODUCT

REF	HAZARDOUS INGREDIENTS	PERCENT	CAS NUMBER	CARCINOGEN*
01	ETHYL BENZENE	1 - 5	100-41-4	
02	TOLUENE	10 - 20	108-88-3	
03	N-BUTYL ACETATE	10 - 20	123-86-4	
04	XYLENES	1 - 5	1330-20-7	
05	METHYL ETHYL KETONE	10 - 20	78-93-3	
06	V.M. AND P. NAPHTHA	20 - 30	8032-32-4	

* Carcinogen: O = OSHA; A = ACGIH; N = NTP; I = IARC

SARA TITLE III & CERCLA CLASSIFICATIONS

REF	SARA 302 (GHS)	SARA 302 (TPO)	SARA 313	AC	CH	PH	RE
01	1000	NOT ESTAB					
02	1000	NOT ESTAB					
03	1000	NOT ESTAB					
04	100	NOT ESTAB					
05	1000	NOT ESTAB					
06	NOT ESTAB	NOT ESTAB					

SARA 311/312 CATEGORIES FOR THIS PRODUCT: ACUTE = Y, CHRONIC = Y, FLAMMABILITY = Y, PRESSURE = N, REACTIVITY = N

OCCUPATIONAL EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THE FOLLOWING MATERIALS:

REF	TLV-TWA	TLV-STEL	PEL-TWA	PEL-STEL
01	100 ppm	125 ppm	100 ppm	125 ppm
02	50 ppm	NOT ESTAB	100 ppm	150 ppm
03	150 ppm	200 ppm	150 ppm	200 ppm
04	100 ppm	150 ppm	100 ppm	150 ppm
05	200 ppm	300 ppm	200 ppm	300 ppm
06	1 PEL-TWA, NOT ESTAB	1 PEL-TWA, NOT ESTAB	1 PEL-TWA, 250 ppm	300 ppm

(C - Ceiling Limit; S - Permissible Skin Absorption; R - Respirable Dust) (NOT ESTAB. = NOT ESTABLISHED = NOT APPLICABLE)

PRODUCT STATUS RELATIVE TO THE U.S. EPA TOXIC SUBSTANCES

CONTROL ACT

All chemical substances in this product are listed on the U.S. TSCA

Inventory or are otherwise exempt from TSCA inventory reporting requirements.

SECTION 3: HAZARD IDENTIFICATION INFORMATION

EFFECTS OF OVEREXPOSURE FROM:

• **INGESTION:** Harmful if swallowed.

• **EYE CONTACT:** Causes severe eye irritation.

• **SKIN CONTACT:** May cause moderate skin irritation. May be absorbed through the skin.

• **INHALATION:** Vapor and/or spray may be harmful if inhaled. Vapor irritates eyes, nose, and throat. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.

• **CHRONIC OVEREXPOSURE:** Avoid long-term and repeated contact. This product contains methyl ethyl ketone (MEK). MEK has been shown to cause minor embryonic/fetal toxic effects in laboratory animals exposed to prolonged periods of high concentrations via inhalation. The potential for human exposure to high concentrations is expected to be low due to the irritating effects of MEK at low concentrations. This product contains toluene. Toluene inhalation in animals (greater than 1500 ppm) and intentional inhalation of toluene-containing products by humans (e.g., glue) has caused adverse fetal development effects. Ethylbenzene has been reported by NTP to cause cancer in laboratory animals following a chronic (2 year) inhalation exposure. Dose levels of 70, 250 and 750 ppm were used, with evidence of carcinogenicity found in the livers of rats and the lung and liver of mice at 750 ppm. The No Observed Effect Level (NOEL) was 75 ppm. The relevance of these findings to humans is uncertain, but appropriate safeguards should be employed to reduce or eliminate inhalation exposure to ethylbenzene.

• **SIGNS AND SYMPTOMS OF OVEREXPOSURE:** Eye watering, headaches, nausea, dizziness, and loss of coordination are indications that solvent levels are too high.

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Redness, itching, burning sensation and visual disturbances may indicate excessive eye contact. Dryness, itching, cracking, burning, redness, and swelling are conditions associated with excessive skin contact.

• **MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Not applicable.

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

SECTION 4: FIRST AID MEASURES

• **INGESTION:** If swallowed, do not induce vomiting. Gently wipe out inside mouth to remove any residual material.

• **EYE CONTACT:** In case of eye contact, remove contact lenses and flush eyes immediately with a gentle stream of lukewarm water for at least 15 minutes.

• **SKIN CONTACT:** In case of skin contact, flush immediately with plenty of water for at least 15 minutes followed by washing with soap and water.

• **INHALATION:** If affected by inhalation of vapor or spray mist, remove to fresh air. Administer artificial respiration and other support measures as required.

• **OTHER:** If ingestion, any type of overexposure or symptoms of overexposure occur during or following the use of this product, contact a poison control center, emergency room or physician immediately. Have Material Safety Data Sheet information available.

SECTION 5: FIRE FIGHTING MEASURES

• **FLASHPOINT:** 45 Degrees F (7 Degrees C) (PENSKY/MARTENS CLOSED CUP)

• **FLAMMABLE LIMITS:** Lower explosion limit (LEL): 1.4

• **Upper explosion limit (UEL):** Not available

• **EXTINGUISHING MEDIA:** Use National Fire Protection Association (NFPA) Class B extinguishers: carbon dioxide, dry chemical, or universal aqueous film forming foam designed to extinguish NFPA Class B flammable liquid fires.

• **UNUSUAL FIRE AND EXPLOSION HAZARDS:** Keep the product away from heat, sparks, flames, and other sources of ignition (i.e., pilot lights, electrical motors, static electricity). Inertible vapors can travel to a source of ignition and flash back. Do not smoke while using this product. Keep containers tightly closed when not in use. Closed containers may explode when overheated. Do not apply to hot surfaces. Toxic gases may form when this product comes in contact with extreme heat.

• **SPECIAL FIRE FIGHTING PROCEDURES:** Water spray may be ineffective. Water spray may be used to cool closed containers to prevent pressure build-up and possible explosion or explosion when exposed to extreme heat. If water is used, log marks are preferable. Fire-fighters should wear self-contained breathing apparatus and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

• **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Provide maximum ventilation. Only personnel equipped with proper respiratory, skin, and eye protection



Manufactured and Supplied by:
 REFINISH PRODUCTS
 18889 PROGRESS DRIVE STRONGSVILLE, OH 44135

MATERIAL SAFETY DATA SHEET

COATINGS AND RESINS GROUP

PPG Industries, Inc.

SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT CODE/IDENTITY: DUB
REVISION DATE: 09/10/88 0001 0000
CUSTOMER PART #/NAME:
PRODUCT TRADE NAME: URETHANE HARDENER
CHEMICAL FAMILY: ISOCYANATE
EMERGENCY MEDICAL/SPILL INFO: (303) 943-1300 (U.S.)
 31-800-00-219 (MEXICO)
 (940) 572-2800
TECHNICAL INFORMATION:
PRODUCT SAFETY/HSDS INFORMATION: 4325 ROSAMBA DRIVE, P.O. BOX 4
 ALLISON PARK, PA 15101
 412/71-93-9355
 08/23/98

DATE OF HSDS PREPARATION:

PRIMARY HAZARD WARNING

Harmful. Keep away from heat, sparks, flames, and other sources of ignition. Do not smoke. Eliminate all flames and other lights. Turn off devices, receptacles, electrical motors and other sources of ignition during use and until all vapors/fumes are gone. Avoid skin contact. Skin contact may cause moderate skin irritation. Causes severe eye irritation. May be absorbed through the skin. Inhalation or ingestion of product may cause an allergic skin reaction. Vapor, spray, mist, or dust may be harmful if inhaled. May cause irritation and/or allergic respiratory reaction in some. Your safety eyes, mask, and gloves.

THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE WITH THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200). THE SUPPLIER NOTIFICATION REQUIREMENTS OF SARA TITLE III, SECTION 313, AND OTHER APPLICABLE RIGHT-TO-KNOW REGULATIONS.

SECTION 2 - COMPOSITION INFORMATION ON INGREDIENTS

REF	HAZARDOUS INGREDIENTS	PERCENT	CAS NUMBER	DERIVATIVE
01	N-BUTYL ACETATE	30-40	173 89-4	
02	HEXAMETHYLENE DIISOCYANATE POLYMER	20-40	20142 91-2	
03	ISOPHORENE DIISOCYANATE POLYMER	20-40	53880 05-0	
04	DIABOLIC HARDENER	5-10	06742 93-6	
05	1,2,4-TRIMETHYL BENZENE	1-5	95-63-6	

* Carcinogens: O = OSHA; A = ACGIH; N = NTP; I = IARC

SARA TITLE III & CERCLA CLASSIFICATIONS

REF	SARA 102 (103)	SARA 302 (103)	SARA 312	AC	CH	EL	PA	RE
01	5000	NOT ESTAB	N	Y	N	Y	N	N
02	NOT ESTAB	NOT ESTAB	N	Y	Y	A	N	N
03	NOT ESTAB	NOT ESTAB	N	Y	Y	N	N	N
04	NOT ESTAB	NOT ESTAB	N	Y	N	Y	N	N
05	NOT ESTAB	NOT ESTAB	N	Y	N	Y	N	N

SARA 311/312 CATEGORIES FOR THIS PRODUCT: ACUTE = Y, CHRONIC = Y, FLAMMABILITY = Y, PRESSURE = N, REACTIVITY = N

OCCUPATIONAL EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THE FOLLOWING MATERIALS:

REF	TLV-TWA	TLV-STEL	V.L. OSHA	PEL-STEL
01	100 ppm	200 ppm	100 ppm	200 ppm
02	NOT ESTAB	NOT ESTAB	NOT ESTAB	NOT ESTAB
03	100 ppm (0.5 mg/m ³)	100 ppm (0.5 mg/m ³)	100 ppm (0.5 mg/m ³)	100 ppm (0.5 mg/m ³)
04	NOT ESTAB	NOT ESTAB	NOT ESTAB	NOT ESTAB
05	NOT ESTAB	NOT ESTAB	NOT ESTAB	NOT ESTAB

(C: Ceiling Limit; S: Potential Skin Absorption; R: Respirable Dust) (NOT ESTAB. = NOT ESTABLISHED = NOT APPLICABLE)

PRODUCT STATUS RELATIVE TO THE U.S. EPA TOXIC SUBSTANCES

CONTROL ACT

All chemical substances in this product are listed on the U.S. TSCA Inventory or are otherwise exempt from TSCA inventory reporting requirements.

SECTION 3 - HAZARD IDENTIFICATION**EFFECTS OF OVEREXPOSURE FROM:**

• INGESTION: Harmful if swallowed.
• EYE CONTACT: Causes severe eye irritation.
• SKIN CONTACT: May cause moderate skin irritation. May be absorbed through the skin. Prolonged or repeated contact may cause an allergic skin reaction.
• INHALATION: Vapor and/or spray mist harmful if inhaled. May cause irritation and/or allergic respiratory reaction in lungs. Vapor irritates eyes, nose, and throat. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Do not use if you have chronic (long-term) lung or breathing problems, or if you have ever had a reaction to isocyanates.
• CHRONIC OVEREXPOSURE: Avoid long-term and repeated contact. This product contains isocyanates. Inhalation may cause a burning sensation of the nose, throat and lungs. Allergic respiratory reactions to these materials are characterized by asthma-like symptoms such as chest tightness, wheezing, shortness of breath and coughing. These symptoms may follow repeated exposure or a single massive exposure and may be delayed.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Eye watering, reddened, redness, dizziness, and loss of coordination are indications that solvent levels are too high. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Dizziness, itching, burning sensation and visual disturbances may indicate excessive eye contact. Dizziness, itching, crawling, burning, redness, and swelling are conditions associated with excessive skin contact.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Do not use if you have chronic (long-term) lung or breathing problems. If you have ever had a reaction to isocyanates.

SECTION 4 - FIRST AID MEASURES

• INGESTION: If swallowed, do not induce vomiting. Gently rinse out inside mouth to remove any residual material.
• EYE CONTACT: In case of eye contact, remove contact lenses and flush eyes immediately with a gentle stream of lukewarm water for at least 15 minutes.
• SKIN CONTACT: In case of skin contact, flush immediately with plenty of water for at least 15 minutes followed by washing with soap and water.
• INHALATION: If affected by inhalation of vapor or spray mist, remove to fresh air. Apply artificial respiration and other support measures as required.
• OTHER: If ingestion, any type of overexposure or symptoms of overexposure occur during or following the use of this product, contact a poison control center, emergency room or physician immediately. Have Material Safety Data Sheet information available.

SECTION 5 - FIRE FIGHTING MEASURES

• FLASHPOINT: 92 Degrees F (33 Degrees C) (PENSKY-MAINTENS CLOSED CUP)
• FLAMMABLE (WHIS): Lower explosion limit (LEL): 1.0
• Upper explosion limit (UEL): Not available
• EXTINGUISHING MEDIA: Use National Fire Protection Association (NFPA) Class B extinguishers (carbon dioxide, dry chemical, or universal aqueous film forming foam) designed to extinguish NFPA Class B flammable liquid fires.
• UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep this product away from heat, sparks, flames, and other sources of ignition (i.e., pilot lights, electric motors, static electricity). Invisible vapors can travel to a source of ignition and flash back. Do not smoke while using this product. Keep containers tightly closed when not in use. Closed containers may explode when overheated. Do not spray to hot surfaces. Toxic gases may form when this product comes in contact with extreme heat.
• SPECIAL FIRE FIGHTING PROCEDURES: Water spray may be ineffective. Water spray may be used to cool closed containers to prevent pressure build-up and possible explosion or rupture when exposed to extreme heat. If water is used, fog nozzles are preferred. Fire-fighters should wear self-contained breathing apparatus and full protective clothing.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

• STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Provide maximum ventilation. Only personnel equipped with proper respiratory, skin, and eye protection should be permitted in the area. Remove all sources of ignition. Take up spilled material with sand, vermiculite, or other noncombustible absorbent material and place in clean, empty containers for disposal. Only the spilled material and the absorbent should be placed in the container.
• WASTE DISPOSAL METHOD: Waste material must be disposed of in accordance with 1991/92, state, provincial, and local environmental control regulations. Empty containers should be recycled or disposed of through an approved waste management facility.

SECTION 7 - HANDLING AND STORAGE

• HANDLING AND STORAGE PRECAUTIONS: Do not store above 120 degrees F (48



Manufactured and Supplied by:
 REFINISH PRODUCTS
 19699 PROGRESS DRIVE STRONGSVILLE, OH 44136

MATERIAL SAFETY DATA SHEET

COATINGS AND RESINS GROUP

PPG Industries, Inc.

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE/IDENTITY: DCC0000
 REVISION DATE: 02/17/98 1000 0800
 CUSTOMER PART #/NAME:
 PRODUCT TRADE NAME: BLACK
 CHEMICAL FAMILY: Acrylic
 EMERGENCY MEDICAL/SPILL INFO: 1304) 843-1300 (U.S.)
 911: 800-455-3114 (outside U.S.)
 TECHNICAL INFORMATION: 18408 572-2000
 PRODUCT SAFETY/MSDS INFORMATION: 4328 ROSAMMA DRIVE, P.O. BOX 2
 ALLISON PARK, PA 15101
 412 452-8888
 DATE OF MSDS PREPARATION: 02/20/98

SECTION 2 - HAZARD IDENTIFICATION

Flammable. Can burn from heat, sparks, flames, and other sources of ignition. Do not smoke. Extinguish all flames and stop smoking. Turn off engines, heaters, electrical motors, and other sources of ignition during use and until all materials are gone. HAZARDOUS: May cause moderate skin irritation. Causes severe eye irritation. May be absorbed through the skin. Vapor and/or spray mist may be harmful if inhaled. Vapor irritates eyes, nose, and throat.

THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE WITH THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200). THE SUPPLIER NOTIFICATION REQUIREMENTS OF SARA TITLE III, SECTION 313, AND OTHER APPLICABLE RIGHT-TO-KNOW REGULATIONS.

SECTION 3 - HAZARDOUS INFORMATION ON INGREDIENTS

REF	HAZARDOUS INGREDIENTS	PERCENT	CAS NUMBER	CARCINOGEN*
01	ETHYL BENZENE	1 - 45	105-41-4	
02	1-METHOXY-2-PROPYL ACETATE	5 - 10	106-65-6	
03	2-BUTYLOXYETHYL ACETATE	1 - 45	112-07-2	
04	n-BUTYL ACETATE	10 - 20	123-86-4	
05	XYLENES	10 - 420	1330-20-7	
06	CARBON BLACK	1 - 45	1333-86-4	1
07	ANTHRAIC NAHTHA	1 - 45	64742-95-4	

* Carcinogens: O-OSHA; A-ACGIH; N-NTP; I-IAAC

SARA TITLE III & CERCLA CLASSIFICATIONS

REF	SARA 302 HQ (LBS)	SARA 302 FPG (LBS)	SARA 313	AC	CH	PA	NA
01	1000	NOT ESTAB	3	Y	Y	N	N
02	NOT ESTAB	NOT ESTAB	4	Y	N	Y	N
03	NOT ESTAB	NOT ESTAB	Y	Y	N	Y	N
04	9000	NOT ESTAB	N	Y	N	Y	N
05	300	NOT ESTAB	Y	Y	N	Y	N
06	NOT ESTAB	NOT ESTAB	N	Y	N	Y	N
07	NOT ESTAB	NOT ESTAB	N	Y	N	Y	N

SARA 311/312 CATEGORIES FOR THIS PRODUCT: ACUTE = Y, CHRONIC = Y, FLAMMABILITY = Y, PRESSURE = N, REACTIVITY = N

OCCUPATIONAL EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THE FOLLOWING MATERIALS:

REF	ACGIH	TLV-STEL	TLV-TWA	REL-STEL
01	100 ppm	125 ppm	100 ppm	125 ppm
02	NOT ESTAB	NOT ESTAB	NOT ESTAB	NOT ESTAB
03	100 ppm	100 ppm	100 ppm	100 ppm
04	NOT ESTAB	NOT ESTAB	NOT ESTAB	NOT ESTAB
05	150 ppm	200 ppm	150 ppm	200 ppm
06	100 ppm	150 ppm	100 ppm	150 ppm
07	3.5 mg/m ³	NOT ESTAB	3.5 mg/m ³	NOT ESTAB

(C- Ceiling Limit; S- Potential Skin Absorption; R- Respirable Dust) (NOT ESTAB. = NOT ESTABLISHED = NOT APPLICABLE)

PRODUCT STATUS RELATIVE TO THE U.S. EPA TOXIC SUBSTANCES

CONTROL ACT

as chemical substances in this product are listed on the U.S. TSCA Inventory or are otherwise exempt from TSCA inventory reporting requirements.

SECTION 4 - HAZARD IDENTIFICATION

EFFECTS OF OVEREXPOSURE FROM:

INGESTION: Harmful if swallowed.
EYE CONTACT: Causes severe eye irritation.
SKIN CONTACT: May cause moderate skin irritation. May be absorbed through the skin.
INHALATION: Vapor and/or spray mist may be harmful if inhaled. Vapor irritates eyes, nose, and throat. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.
CHRONIC OVEREXPOSURE: Avoid long-term and repeated contact. This product contains an ethylene series glycol ether and/or acetate which has been shown to cause adverse effects on the kidneys, liver, blood and/or blood-forming tissue. This product contains carbon black which has been rated an IARC 2B carcinogen due to animal data. Ethylbenzene has been reported by NTP to cause cancer in laboratory animals following a chronic (2 year) inhalation exposure. Dose levels of 75, 200 and 750 ppm were used, with evidence of carcinogenicity found in the alveoli of rats and the lung and liver of mice at 750 ppm. The No Observed Effect Level (NOEL) was 75 ppm. The relevance of these findings to humans is uncertain, but appropriate safeguards should be employed to reduce or eliminate inhalation exposure to ethylbenzene.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Eye watering, headaches, nausea, dizziness, and loss of coordination are indications that solvent levels are too high. Internal illness by dermately absorbing and inhaling the contents can be harmful or fatal. Headache, itching, burning sensation and visual disturbances may indicate excessive eye contact. Dryness, itching, cracking, burning, redness, and swelling are conditions associated with excessive skin contact.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Not applicable.

SECTION 5 - FIRST AID MEASURES

INGESTION: If swallowed, give one to two eight ounce glasses of water, but do not induce vomiting. Gently wipe out inside mouth to remove any residual material.
EYE CONTACT: In case of eye contact, remove contact lenses and flush eyes immediately with a gentle stream of lukewarm water for at least 15 minutes.
SKIN CONTACT: In case of skin contact, flush immediately with plenty of water for at least 15 minutes followed by washing with soap and water.
INHALATION: If affected by inhalation of vapor or spray mist, remove to fresh air. Apply artificial respiration and other support measures as required.
OTHER: If ingestion, any type of overexposure or symptoms of overexposure occur during or following the use of this product, contact a poison control center, emergency room or physician immediately. Have Material Safety Data Sheet information available.

SECTION 6 - FIRE FIGHTING MEASURES

FLASHPOINT: 81 Degrees F (27 Degrees C) (PENSKY-MARTENS CLOSED CUP)
FLAMMABLE LIMITS: Lower explosion limit (LEL): 1.4
Upper explosion limit (UEL): Not available
EXTINGUISHING MEDIA: Use National Fire Protection Association (NFPA) Class # extinguishers carbon dioxide, dry chemical, or universal aqueous film forming foam designed to extinguish NFPA Class 1C flammable liquid fires.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep this product away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors, static electricity). Invisible vapors can travel to a source of ignition and flash back. Do not smoke while using this product. Keep containers tightly closed when not in use. Closed containers may explode when overheated. Do not expose to hot surfaces. Toxic gases may form when this product comes in contact with certain heat.
SPECIAL FIRE FIGHTING PROCEDURES: Water spray may be ineffective. Water spray may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable. Fire-fighters should wear self-contained breathing apparatus and full protective clothing.

SECTION 7 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Provide maximum ventilation. Only personnel equipped with proper respiratory, skin, and eye protection should be permitted in the area. Remove all sources of ignition. Take up spilled material with sand, vermiculite, or other noncombustible absorbent material and place in clean, empty containers for disposal. Only the spilled material and the absorbent should be placed in this container.
WASTE DISPOSAL METHOD: Waste material must be disposed of in accordance with federal, state, provincial, and local environmental control regulations. Empty containers



Manufactured and Supplied by:
 REFINISH PRODUCTS
 19899 PROGRESS DRIVE STRONGSVILLE, OH 44136

MCV High Solids Urethane

Background

MCV High Solids Urethane is a low VOC 2K Urethane for use on commercial vehicles. It is available in solid and metallic colors.

CV High Solids Urethane

Color

MCV High Solids Urethane

Hardener

MFA360 High Solids CV Hardener at 3.5 VOC

MFA361 High Solids CV Hardener at 2.8 VOC

Compatible Substrates

Cured, cleaned and sanded OEM and fleet finishes

MP170 Epoxy Primer

MP176 Etch Primer*

MP178 Plastic Primer

MP180 2K Sealer

MP182 2K Urethane Surfacer

MP183 Compliant Sealer

MP184 Compliant Surfacer

MX198 Polyester Primer

MP210 1K High Solids Primer

MP211 2K High Solids Primer

MP213 GP Sealer

*For optimum properties, MP176 should be overcoated with a primer surfacer or sealer before topcoating.

Preparation

Surface cleaning

MX190 Cleaner, MX191 Compliant Cleaner,

MX192 Plastic Cleaner

Sanding

280 - 320 grit (machine or dry hand) on old finishes and primers.

Mixing

Ratios

3.5 VOC

2.8 VOC



MCV MFA360 or MCV MFA361
4 : 1 4 : 1



Pot life is 2 - 3 hours at 70°F (21°C).

Tinting

Can be tinted with M300 series tints only.

Additives

MX200 may be added up to 6 oz. at 3.5 VOC or up to 4 oz. at 2.8 VOC per RTS gal.

Application

Coats



2 medium coats

Air pressure



HVLP

Conventional

10 psi at the air cap

50 - 60 psi at the gun

Gun setup

1.3 - 1.6 mm or equivalent

Dry Times

Air Dry Times at 70°F (21°C)



2.8 VOC

3.5 VOC

Dust 45 minutes

20 - 35 minutes

Tack 3 hours

45 - 60 minutes

Tape 8 hours

3 - 5 hours

Between coats



5 - 10 minutes

5 - 10 minutes

Force Dry Times

2.8 VOC

3.5 VOC

Purge 10 minutes

Purge 10 minutes

40 minutes at 140°F

30 minutes at 120°F

30 minutes at 160°F

20 minutes at 140°F

15 minutes at 160°F

Clean Up

Clean spray guns, gun cups, storage pots, etc., thoroughly with MR Reducer, MS100 General Purpose Solvent or other appropriate clean up solvent after each use.

Follow EPA guidelines for proper storage and disposal of solvent-borne waste paint.

Properties

VOC

Package

3.6 lb./gal. max.

Applied with MFA 360(4:1)

3.5 lb./gal. max.

Applied with MFA 361(4:1)

2.8 lb./gal. max.

Dry film build per dry coat

Applied (4:1) 0.75 - 1.25 mils

Square foot coverage at 1 mil loss

Applied (3.5 VOC) 840 - 855 sq. ft. / gal., no loss

Applied (2.8 VOC) 970 - 1003 sq. ft. / gal., no loss

Limitations

OMNI™ CV is a new generation of paints and CANNOT BE MIXED WITH ANY COMPONENT OF THE OMNICOAT™ FACTORY PACKAGE PRODUCT LINE OR OMNI™AU INTERMIX LINE.

Important

The contents of this package may have to be blended with other components before the product can be used. Before opening the packages, be sure you understand the warning messages on the labels of all components, since the mixture will have the hazards of all its parts. Spray equipment must be handled with due care and in accordance with manufacturer's recommendations. Follow label directions for respirator use. Wear eye and skin protection. Observe all applicable precautions.

See Material Safety Data Sheet and Labels for additional safety information and handling instructions.

EMERGENCY MEDICAL OR SPILL CONTROL INFORMATION (304) 843-1300; IN CANADA (514) 845-1320.

Honey, Kelly

From: Beverly Morgan [bjmorgan@tecoenergy.com]
Sent: Tuesday, April 23, 2002 12:50 PM
To: Honey, Kelly
Subject: Re: Used Oil labels

Yes, it was changed.

>>> "Honey, Kelly" <Kelly.Honey@dep.state.fl.us> 04/23/02 11:04AM >>>
Beverly:

Have the AST and drums containing "junk oil" in Substation Operations been relabeled as "used oil" yet? Please let me know so I can put it in my report.

Thanks,
Kelly Honey
RCRA / Division of Waste Management
813/744-6100 (SunCom 512-1042), ext. 369

PPG INDUSTRIES COATINGS & RESINS GROUP -- DP401LF EPOXY PRIMER CATALYST
MATERIAL SAFETY DATA SHEET
NSN: 801000F050510
Manufacturer's CAGE: PPGIN
Part No. Indicator: A
Part Number/Trade Name: DP401LF EPOXY PRIMER CATALYST
=====

General Information

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Company's Name: PPG INDUSTRIES INC COATINGS & RESINS GROUP
Company's Street: 4325 ROSANNA DR
Company's P. O. Box: 9
Company's City: ALLISON PARK
Company's State: PA
Company's Country: US
Company's Zip Code: 15101-5000
Company's Emerg Ph #: 304-843-1300
Company's Info Ph #: 412-492-5555
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SE
Date MSDS Prepared: 29APR94
Safety Data Review Date: 06SEP96
Preparer's Company: PPG INDUSTRIES INC COATINGS & RESINS GRO
Preparer's St Or P. O. Box: 4325 ROSANNA DR
Preparer's City: ALLISON PARK
Preparer's State: PA
Preparer's Zip Code: 15101-5000
MSDS Serial Number: CFCCV
=====

Ingredients/Identity Information

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Proprietary: NO
Ingredient: 2-HEPTANONE, METHYL N-AMYL KETONE
Ingredient Sequence Number: 01
Percent: 20-25
NIOSH (RTECS) Number: MJ5075000
CAS Number: 110-43-0
OSHA PEL: 465 MG/CUM
ACGIH TLV: 233 MG/CUM
Other Recommended Limit: 50 PPM

Proprietary: NO
Ingredient: 2-BUTOXYETHANOL (ETHYLENE GLYCOL MONOBUTYL ETHER), BUTYL
CELLOSOLVE, BUTYL GLYCOL, GLYCOL ETHER EB * 96-2 *
Ingredient Sequence Number: 02
Percent: 5-10
NIOSH (RTECS) Number: KJ8575000
CAS Number: 111-76-2
OSHA PEL: 50 PPM (SKIN)
ACGIH TLV: 25 PPM (SKIN)
Other Recommended Limit: 25 PPM (SKIN)

Proprietary: NO
Ingredient: ISOPROPANOL (ISOPROPYL ALCOHOL), 2-PROPANOL, DIMETHYL CARBINOL
(IARC CANCER REVIEW GROUP 3) *96-2*
Ingredient Sequence Number: 03
Percent: 5-10
NIOSH (RTECS) Number: NT8050000
CAS Number: 67-63-0
OSHA PEL: 400 PPM
ACGIH TLV: 400 PPM
Other Recommended Limit: 400 PPM

Proprietary: NO
Ingredient: ACETIC ACID, C6-8-BRANCHED ALKYL ESTERS, C3-8-BRANCHED ALKYL
ESTERS ACETIC ACID

Ingredient Sequence Number: 04
Percent: 15-20
NIOSH (RTECS) Number: 1004618HA
CAS Number: 90438-79-2

Proprietary: NO
Ingredient: XYLENE, DIMETHYLBENZENE, XYLLOL (IARC - GROUP 3) *96-2*
Ingredient Sequence Number: 05
Percent: 15-20
NIOSH (RTECS) Number: ZE2100000
CAS Number: 1330-20-7
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM, SKIN
Other Recommended Limit: 100 PPM

Proprietary: NO
Ingredient: FILM FORMERS, RESINS, AND ADDITIVES
Ingredient Sequence Number: 06
Percent: 25-30
NIOSH (RTECS) Number: 1005437FF

Proprietary: NO
Ingredient: GLYCOL ETHERS
Ingredient Sequence Number: 07
Percent: 5-10
NIOSH (RTECS) Number: 1000675GE
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Physical/Chemical Characteristics

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Appearance And Odor: VISCOUS LIQUID W/CHARACTERISTIC ODOR OF THE SOLVENTS LISTED.
Boiling Point: 179.6-392F
Vapor Pressure (MM Hg/70 F): 7.8
Vapor Density (Air=1): >1
Specific Gravity: 0.88
Evaporation Rate And Ref: (BU OAC =100): 59
Solubility In Water: 15.3
Percent Volatiles By Volume: 73
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Fire and Explosion Hazard Data

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Flash Point: 40F
Flash Point Method: PMCC
Lower Explosive Limit: 1.5
Extinguishing Media: CO2, DRY CHEMICAL/UNIVERSAL AQUEOUS FILM FORMING FOAM.
Special Fire Fighting Proc: WATER SPRAY MAY BE INEFFECTIVE. WATER SPRAY MAY BE USED TO COOL CLOSED CONTAINERS. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. WEAR SCBA.
Unusual Fire And Expl Hazrds: KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT & OTHER IGNITION SOURCES. DON'T APPLY TO HOT SURFACES. (SEE SUPP)
=====

Reactivity Data

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Stability: YES
Cond To Avoid (Stability): HEAT, SPARKS, OPEN FLAMES, ELECTRICAL EQUIPMENT & OTHER IGNITION SOURCES. TEMP >120F.
Materials To Avoid: STRONG ALKALIES, STRONG MINERAL ACIDS/STRONG OXIDIZING AGENTS.
Hazardous Decomp Products: HEATED, WELDING, BRAZING/FLAME CUTTING: CO, OXIDES OF NITROGEN.
Hazardous Poly Occur: NO
=====

Health Hazard Data

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Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: HARMFUL IF SWALLOWED/INHALED. MAY CAUSE
IRRITATION TO EYES, NOSE & THROAT. REPEATED EXPOSURE TO HIGH VAPOR
CONCENTRATIONS MAY CAUSE IRRITATION OF THE RESPIRATORY SYSTEM & PERMANENT
BRAIN & NERVOUS SYSTEM DAMAGE.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NONE
Signs/Symptoms Of Overexp: IRRITATION, EYE WATERING, HEADACHES, NAUSEA,
DIZZINESS, LOSS OF COORDINATION, REDNESS, ITCHING, BURNING, VISUAL
DISTURBANCES, DRYNESS, CRACKING, SWELLING.
Emergency/First Aid Proc: INGESTION: DON'T INDUCE VOMITING. EYES: FLUSH
W/WATER FOR 15 MINS. SKIN: FLUSH W/WATER, FOLLOWED BY WATERLESS HAND
CLEANER & SOAP. INHALATION: REMOVE TO FRESH AIR. GIVE CPR IF NEEDED. OBTAIN
MEDICAL ATTENTION IN ALL CASES.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: USE MAXIMUM VENTILATION. ONLY PERSONNEL
EQUIPPED W/PROPER RESPIRATORY & SKIN/EYE PROTECTION, PERMITTED. REMOVE
IGNITION SOURCES. TAKE UP W/SAWDUST, VERMICULITE/OTHER ABSORBENT MATERIAL &
PLACE INTO CONTAINERS FOR DISPOSAL.
Waste Disposal Method: DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS.
EMPTY CONTAINERS SHOULD BE RECYCLED/DISPOSED OF THROUGH AN APPROVED WASTE
MANAGEMENT FACILITY.
Precautions-Handling/Storing: GROUND CONTAINER WHEN POURING. AVOID FREE
FALL OF LIQUIDS IN EXCESS OF A FEW INCHES. DON'T STORE >120F.
Other Precautions: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING &
INHALING THE CONTENTS CAN BE HARMFUL/FATAL.

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Control Measures

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Respiratory Protection: USE NIOSH/MSHA APPROVED AIR PURIFYING/AIR SUPPLIED
RESPIRATORS.
Ventilation: GENERAL DILUTION/LOCAL EXHAUST VENTILATION.
Protective Gloves: NITRILE/NEOPRENE RUBBER
Eye Protection: CHEMICAL SPLASH GOGGLES/FULL FACE SHIELD
Other Protective Equipment: IMPERMEABLE APRON
Suppl. Safety & Health Data: UNUSUAL FIRE CONT'D: CLOSED CONTAINERS MAY
EXPLODE WHEN EXPOSED TO EXTREME HEAT. TOXIC GASES MAY FORM WHEN PRODUCT IS
CONTACTED BY FLAME/HOT SURFACES.

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Transportation Data

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Disposal Data

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Label Data

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PPG INDUSTRIES COATINGS & RESINS GROUP -- DP402LF EPOXY PRIMER CATALYST
MATERIAL SAFETY DATA SHEET
NSN: 801000F050512
Manufacturer's CAGE: PPGIN
Part No. Indicator: A
Part Number/Trade Name: DP402LF EPOXY PRIMER CATALYST
=====

General Information

=====

Company's Name: PPG INDUSTRIES INC COATINGS & RESINS GROUP
Company's Street: 4325 ROSANNA DR
Company's P. O. Box: 9
Company's City: ALLISON PARK
Company's State: PA
Company's Country: US
Company's Zip Code: 15101-5000
Company's Emerg Ph #: 304-843-1300
Company's Info Ph #: 412-492-5555
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SE
Date MSDS Prepared: 29APR94
Safety Data Review Date: 06SEP96
Preparer's Company: PPG INDUSTRIES INC COATINGS & RESINS GRO
Preparer's St Or P. O. Box: 4325 ROSANNA DR
Preparer's City: ALLISON PARK
Preparer's State: PA
Preparer's Zip Code: 15101-5000
MSDS Serial Number: CCKV
=====

Ingredients/Identity Information

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Proprietary: NO
Ingredient: ALIPHATIC AMINE ADDUCT
Ingredient Sequence Number: 01
Percent: 5-10
NIOSH (RTECS) Number: 1003365AA

Proprietary: NO
Ingredient: DIETHYLENETRIAMINE, ETHYLENEDIAMINE, N-(2-AMINOETHYL);
BIS(2-AMINOETHYL)AMINE *96-2*
Ingredient Sequence Number: 02
Percent: 1-2
NIOSH (RTECS) Number: IE1225000
CAS Number: 111-40-0
ACGIH TLV: 1 PPM (SKIN)
Other Recommended Limit: 4 MG/CUM

Proprietary: NO
Ingredient: PROPYLENE GLYCOL METHYL ETHER (1-METHOXY-2-PROPANOL) PROPYLENE
GLYCOL MONO METHYL ETHER *96-2*
Ingredient Sequence Number: 03
Percent: 30-35
NIOSH (RTECS) Number: UB7700000
CAS Number: 107-98-2
ACGIH TLV: 100 PPM
Other Recommended Limit: 100 PPM

Proprietary: NO
Ingredient: METHYL ETHYL KETONE, 2-BUTANONE *96-2*
Ingredient Sequence Number: 04
Percent: 10-15
NIOSH (RTECS) Number: EL6475000
CAS Number: 78-93-3
OSHA PEL: 200 PPM
ACGIH TLV: 590 MG/CUM
Other Recommended Limit: 590 MG/CUM

Proprietary: NO
Ingredient: 2-HEPTANONE, METHYL N-AMYL KETONE
Ingredient Sequence Number: 05
Percent: 5-10
NIOSH (RTECS) Number: MJ5075000
CAS Number: 110-43-0
OSHA PEL: 465 MG/CUM
ACGIH TLV: 233 MG/CUM
Other Recommended Limit: 50 PPM

Proprietary: NO
Ingredient: ISOPROPANOL (ISOPROPYL ALCOHOL), 2-PROPANOL, DIMETHYL CARBINOL
(IARC CANCER REVIEW GROUP 3) *96-2*
Ingredient Sequence Number: 06
Percent: 2-5
NIOSH (RTECS) Number: NT8050000
CAS Number: 67-63-0
OSHA PEL: 400 PPM
ACGIH TLV: 400 PPM
Other Recommended Limit: 400 PPM

Proprietary: NO
Ingredient: BUTANOL, N-BUTYL ALCOHOL, PROPYL CARBINOL, BUTYL ALCOHOL
Ingredient Sequence Number: 07
Percent: 5-10
NIOSH (RTECS) Number: EO1400000
CAS Number: 71-36-3
OSHA PEL: 100 PPM
ACGIH TLV: C 152 MG/CUM
Other Recommended Limit: 300 MG/CUM

Proprietary: NO
Ingredient: TOLUENE (IARC CARC- GROUP 3) *96-2*
Ingredient Sequence Number: 08
Percent: 2-5
NIOSH (RTECS) Number: XS5250000
CAS Number: 108-88-3
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM
Other Recommended Limit: 375 MG/CUM

Proprietary: NO
Ingredient: ISOPARAFFINIC HYDROCARBONS (NAPHTHA PETROLEUM), HYDROTREATED
HEAVY, NON AROMATIC HEAVY NAPHTHA) ISOPAR G
Ingredient Sequence Number: 09
Percent: 1-2
NIOSH (RTECS) Number: 1000047NA
CAS Number: 64742-48-9

Proprietary: NO
Ingredient: OXO-HEXYL ACETATE *96-2*
Ingredient Sequence Number: 10
Percent: 2-5
NIOSH (RTECS) Number: 1004009HA
CAS Number: 88230-35-7

Proprietary: NO
Ingredient: FILM FORMERS, RESINS, AND ADDITIVES
Ingredient Sequence Number: 11
Percent: 20-25
NIOSH (RTECS) Number: 1005437FF

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Physical/Chemical Characteristics

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Appearance And Odor: VISCOUS LIQUID W/CHARACTERISTIC ODOR OF THE SOLVENTS
LISTED.

Boiling Point: 132-8-401F
Vapor Pressure (MM Hg/70 F): 24
Vapor Density (Air=1): >1
Specific Gravity: 0.93
Evaporation Rate And Ref: (BU OAC =100): 218
Solubility In Water: 42.8
Percent Volatiles By Volume: 72.48

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Fire and Explosion Hazard Data

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Flash Point: 36F
Flash Point Method: PMCC
Lower Explosive Limit: 1.7
Extinguishing Media: CO2, DRY CHEMICAL/UNIVERSAL AQUEOUS FILM FORMING FOAM.
Special Fire Fighting Proc: WATER SPRAY MAY BE INEFFECTIVE. WATER SPRAY MAY BE USED TO COOL CLOSED CONTAINERS. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. WEAR SCBA.
Unusual Fire And Expl Hazrds: KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT & OTHER IGNITION SOURCES. DON'T APPLY TO HOT SURFACES. (SEE SUPP)

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Reactivity Data

=====

Stability: YES
Cond To Avoid (Stability): HEAT, SPARKS, OPEN FLAMES, ELECTRICAL EQUIPMENT & OTHER IGNITION SOURCES. TEMP >120F.
Materials To Avoid: STRONG ALKALIES, STRONG MINERAL ACIDS/STRONG OXIDIZING AGENTS.
Hazardous Decomp Products: HEATED, WELDING, BRAZING/FLAME CUTTING: CO, OXIDES OF NITROGEN.
Hazardous Poly Occur: NO

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Health Hazard Data

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Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: HARMFUL IF SWALLOWED/INHALED. MAY BE CORROSIVE, BURNS & ALLERGIC REACTIONS. INHALATION: HIGH VAPOR CONCENTRATIONS MAY CAUSE IRRITATION OF THE RESPIRATORY SYSTEM & PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NONE
Signs/Symptoms Of Overexp: IRRITATION, EYE WATERING, HEADACHES, NAUSEA, DIZZINESS, LOSS OF COORDINATION, REDNESS, ITCHING, BURNING, VISUAL DISTURBANCES, DRYNESS, CRACKING, SWELLING.
Emergency/First Aid Proc: INGESTION: GIVE 1-2 GLASSES OF WATER. DON'T INDUCE VOMITING. SKIN: FLUSH W/WATER, FOLLOWED BY WATERLESS HAND CLEANER & SOAP. INHALATION: REMOVE TO FRESH AIR. GIVE CPR IF NEEDED. EYES: FLUSH W/ WATER FOR 30 MINS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: USE MAXIMUM VENTILATION. ONLY PERSONNEL EQUIPPED W/PROPER RESPIRATORY & SKIN/EYE PROTECTION, PERMITTED. REMOVE IGNITION SOURCES. TAKE UP W/SAWDUST, VERMICULITE/OTHER ABSORBENT MATERIAL & PLACE INTO CONTAINERS FOR DISPOSAL.
Waste Disposal Method: DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS. EMPTY CONTAINERS SHOULD BE RECYCLED/DISPOSED OF THROUGH AN APPROVED WASTE MANAGEMENT FACILITY.
Precautions-Handling/Storing: GROUND CONTAINER WHEN POURING. AVOID FREE FALL OF LIQUIDS IN EXCESS OF A FEW INCHES. DON'T STORE >120F.
Other Precautions: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING & INHALING THE CONTENTS CAN BE HARMFUL/FATAL.

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Co ol Measures
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Respiratory Protection: USE NIOSH/MSHA APPROVED AIR PURIFYING/AIR SUPPLIED
RESPIRATORS.

Ventilation: GENERAL DILUTION/LOCAL EXHAUST VENTILATION.

Protective Gloves: BUTYL, NEOPRENE/NITRILE RUBBER

Eye Protection: CHEMICAL SPLASH GOGGLES/FULL FACE SHIELD

Other Protective Equipment: IMPERMEABLE CLOTHING

Suppl. Safety & Health Data: UNUSUAL FIRE CONT'D: CLOSED CONTAINERS MAY
EXPLODE WHEN EXPOSED TO EXTREME HEAT. TOXIC GASES MAY FORM WHEN PRODUCT IS
CONTACTED BY FLAME/HOT SURFACES.

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Transportation Data
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Disposal Data
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Label Data
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PPG INDUSTRIES COATINGS & RESINS GROUP -- DP50LF EPOXY PRIMER (NON CHROME)
MATERIAL SAFETY DATA SHEET
NSN: 801000F050514
Manufacturer's CAGE: PPGIN
Part No. Indicator: A
Part Number/Trade Name: DP50LF EPOXY PRIMER (NON CHROME)
=====

General Information

=====

Company's Name: PPG INDUSTRIES INC COATINGS & RESINS GROUP
Company's Street: 4325 ROSANNA DR
Company's P. O. Box: 9
Company's City: ALLISON PARK
Company's State: PA
Company's Country: US
Company's Zip Code: 15101-5000
Company's Emerg Ph #: 304-843-1300
Company's Info Ph #: 412-492-5555
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SE
Date MSDS Prepared: 04MAY94
Safety Data Review Date: 06SEP96
Preparer's Company: PPG INDUSTRIES INC COATINGS & RESINS GRO
Preparer's St Or P. O. Box: 4325 ROSANNA DR
Preparer's City: ALLISON PARK
Preparer's State: PA
Preparer's Zip Code: 15101-5000
MSDS Serial Number: CCKX
=====

Ingredients/Identity Information

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Proprietary: NO
Ingredient: BISPHENOL A DIGLYCIDYL ETHER RESIN, EPOXY RESIN, EPON 820,
ARALDITE 6004, AMINE ADDUCT, ARALDITE GY250 *96-2*
Ingredient Sequence Number: 01
Percent: 10-15
NIOSH (RTECS) Number: KD4380000
CAS Number: 25068-38-6

Proprietary: NO
Ingredient: SILICA, AMORPHOUS, PRECIPITATED AND GEL, SYNTHETIC
CRYSTALLINE-FREE SILICA GEL *96-2*
Ingredient Sequence Number: 02
Percent: 1-2
NIOSH (RTECS) Number: VV7315000
CAS Number: 112926-00-8
ACGIH TLV: 10 MG/CUM

Proprietary: NO
Ingredient: CARBONIC ACID, CALCIUM SALT (1:1), CALCIUM CARBONATE, DURAMITE
Ingredient Sequence Number: 03
Percent: 5-10
NIOSH (RTECS) Number: FF9335000
CAS Number: 471-34-1
Other Recommended Limit: 10 MG/CUM (DUST)

Proprietary: NO
Ingredient: BARIUM SULFATE, BARYTES *96-2*
Ingredient Sequence Number: 04
Percent: 10-15
NIOSH (RTECS) Number: CR0600000
CAS Number: 7727-43-7
OSHA PEL: 10 MG/CUM
ACGIH TLV: 10 MG/CUM

Proprietary: NO

Same compound that is
in Bactex® (BARYTES)
is it ok? or do they need
help?

Ingredient: ZINC PHOSPHATE, ZINC ORTHOPHOSPHATE
Ingredient Sequence Number: 05
Percent: 5-10
NIOSH (RTECS) Number: TD0590000
CAS Number: 7779-90-0
OSHA PEL: 15 MG/CUM
ACGIH TLV: 10 MG/CUM
Other Recommended Limit: 10 MG/CUM

Proprietary: NO
Ingredient: TALC (POWDER), (ASBESTOS FREE), TALCUM; HYDROUS MAGNESIUM
SILICATE
Ingredient Sequence Number: 06
Percent: 2-5
NIOSH (RTECS) Number: WW2710000
CAS Number: 14807-96-6
OSHA PEL: 2 MG/CUM (RESP DUST)
ACGIH TLV: 2 MG/CUM (RESP DUST)

Proprietary: NO
Ingredient: TITANIUM DIOXIDE, TITANIUM OXIDE (SUSPECTED ANIMAL CARCINOGEN,
IARC GROUP 3) *96-2*
Ingredient Sequence Number: 07
Percent: 5-10
NIOSH (RTECS) Number: XR2275000
CAS Number: 13463-67-7
OSHA PEL: 15 MG/CUM
ACGIH TLV: 10 MG/CUM (DUST)

Proprietary: NO
Ingredient: XYLENE, DIMETHYLBENZENE, XYLOL (IARC - GROUP 3) *96-2*
Ingredient Sequence Number: 08
Percent: 2-5
NIOSH (RTECS) Number: ZE2100000
CAS Number: 1330-20-7
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM, SKIN
Other Recommended Limit: 100 PPM

Proprietary: NO
Ingredient: SOLVENT NAPHTHA, PETROLEUM, LIGHT AROMATIC, HIGH FLASH
AROMATIC NAPHTHA, C8&10 AROMATIC HYDROCARBON *96-2*
Ingredient Sequence Number: 09
Percent: 5-10
NIOSH (RTECS) Number: WF3400000
CAS Number: 64742-95-6

Proprietary: NO
Ingredient: 2-HEPTANONE, METHYL N-AMYL KETONE
Ingredient Sequence Number: 10
Percent: 10-15
NIOSH (RTECS) Number: MJ5075000
CAS Number: 110-43-0
OSHA PEL: 465 MG/CUM
ACGIH TLV: 233 MG/CUM
Other Recommended Limit: 50 PPM

Proprietary: NO
Ingredient: TOLUENE (IARC CARC- GROUP 3) *96-3*
Ingredient Sequence Number: 11
Percent: 2-5
NIOSH (RTECS) Number: XS5250000
CAS Number: 108-88-3
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM
Other Recommended Limit: 375 MG/CUM

Proprietary: NO
Ingredient: HEXONE, METHYL ISOBUTYL KETONE (MIBK), 4-METHYL-2-PENTANONE
Ingredient Sequence Number: 12
Percent: 5-10
NIOSH (RTECS) Number: SA9275000
CAS Number: 108-10-1
OSHA PEL: 410 MG/CUM
ACGIH TLV: 205 MG/CUM
Other Recommended Limit: 50 PPM

Proprietary: NO
Ingredient: 2-BUTOXYETHANOL (ETHYLENE GLYCOL MONOBUTYL ETHER), BUTYL
CELLOSOLVE, BUTYL GLYCOL, GLYCOL ETHER EB * 96-2 *
Ingredient Sequence Number: 13
Percent: 2-5
NIOSH (RTECS) Number: KJ8575000
CAS Number: 111-76-2
OSHA PEL: 50 PPM (SKIN)
ACGIH TLV: 25 PPM (SKIN)
Other Recommended Limit: 25 PPM (SKIN)

Proprietary: NO
Ingredient: FILM FORMERS, RESINS, AND ADDITIVES
Ingredient Sequence Number: 14
Percent: 2-5
NIOSH (RTECS) Number: 1005437FF

Proprietary: NO
Ingredient: CRYSTALLINE-QUARTZ SILICA, SILICA DUST (SUSPECTED HUMAN
CARCINOGEN BY IARC-GROUP 2A; SUSPECTED CARCINOGEN NTP) *96-3*
Ingredient Sequence Number: 15
Percent: <1
NIOSH (RTECS) Number: VV7330000
CAS Number: 14808-60-7
OSHA PEL: 10 MG/CUM %RESP SIO2
ACGIH TLV: 0.1 MG/CUM RESP DUST
Other Recommended Limit: 0.05 MG/CUM (NIOSH)

Proprietary: NO
Ingredient: BARIUM COMPOUNDS
Ingredient Sequence Number: 16
Percent: 10-15
NIOSH (RTECS) Number: 1008816BC

Proprietary: NO
Ingredient: GLYCOL ETHERS
Ingredient Sequence Number: 17
Percent: 2-5
NIOSH (RTECS) Number: 1000675GE
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Physical/Chemical Characteristics

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Appearance And Odor: VISCOUS LIQUID W/CHARACTERISTIC ODOR OF THE SOLVENTS
LISTED.
Boiling Point: 230-381.2F
Vapor Pressure (MM Hg/70 F): 7.5
Vapor Density (Air=1): >1
Specific Gravity: 1.38
Evaporation Rate And Ref: (BU OAC =100): 79
Solubility In Water: 4.6
Percent Volatiles By Volume: 61.04
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Fire and Explosion Hazard Data

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Flash Point: 80F
Flash Point Method: PMCC
Lower Explosive Limit: 1.2

Extinguishing Media: CO2, DRY CHEMICAL/UNIVERSAL AQUEOUS FILM FORMING FOAM.

Special Fire Fighting Proc: WATER SPRAY MAY BE INEFFECTIVE. WATER SPRAY MAY BE USED TO COOL CLOSED CONTAINERS. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. WEAR SCBA.

Unusual Fire And Expl Hazrds: KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT & OTHER IGNITION SOURCES. DON'T APPLY TO HOT SURFACES. (SEE SUPP)

=====
Reactivity Data
=====

Stability: YES

Cond To Avoid (Stability): HEAT, SPARKS, OPEN FLAMES, ELECTRICAL EQUIPMENT & OTHER IGNITION SOURCES. TEMP >120F.

Materials To Avoid: STRONG ALKALIES, STRONG MINERAL ACIDS/STRONG OXIDIZING AGENTS.

Hazardous Decomp Products: HEATED, WELDING, BRAZING/FLAME CUTTING: CO, HYDROGEN CHLORIDE, CHLORINE.

Hazardous Poly Occur: NO
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Health Hazard Data
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Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: YES

Health Haz Acute And Chronic: HARMFUL IF SWALLOWED, ABSORBED THROUGH THE SKIN & INHALED. EYES: IRRITATION. SKIN: IRRITATION, ALLERGIC REACTIONS. INHALATION: IRRITATION TO NOSE & THROAT. REPEATED EXPOSURE TO HIGH VAPOR CONCENTRATIONS MAY CAUSE IRRITATION OF THE RESPIRATORY SYSTEM & PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE. (SEE SUPP)

Carcinogenicity - NTP: YES

Carcinogenicity - IARC: YES

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: SEE INGREDIENTS.

Signs/Symptoms Of Overexp: IRRITATION, EYE WATERING, HEADACHES, NAUSEA, DIZZINESS, LOSS OF COORDINATION, REDNESS, ITCHING, BURNING, VISUAL DISTURBANCES, DRYNESS, CRACKING, SWELLING.

Emergency/First Aid Proc: INGESTION: DON'T INDUCE VOMITING. EYES: FLUSH IMMEDIATELY W/PLENTY OF WATER FOR 15 MINS. SKIN: FLUSH W/WATER, FOLLOWED BY WATERLESS CLEANER & SOAP. INHALATION: REMOVE TO FRESH AIR. GIVE CPR IF NEEDED. INGESTION: CONTACT A POISON CONTROL CENTER & HAVE MATERIAL SAFETY DATA SHEET INFORMATION AVAILABLE. OBTAIN MEDICAL ATTENTION IN ALL CASES.
=====

Precautions for Safe Handling and Use
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Steps If Matl Released/Spill: USE MAXIMUM VENTILATION. ONLY PERSONNEL EQUIPPED W/PROPER RESPIRATORY & SKIN/EYE PROTECTION, PERMITTED. REMOVE IGNITION SOURCES. TAKE UP W/SAWDUST, VERMICULITE/OTHER ABSORBENT MATERIAL & PLACE INTO CONTAINERS FOR DISPOSAL.

Waste Disposal Method: DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS. EMPTY CONTAINERS SHOULD BE RECYCLED/DISPOSED OF THROUGH AN APPROVED WASTE MANAGEMENT FACILITY.

Precautions-Handling/Storing: GROUND CONTAINER WHEN POURING. AVOID FREE FALL OF LIQUIDS IN EXCESS OF A FEW INCHES. DON'T STORE >120F.

Other Precautions: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING & INHALING THE CONTENTS CAN BE HARMFUL/FATAL.
=====

Control Measures
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Respiratory Protection: USE NIOSH/MSHA APPROVED AIR PURIFYING/AIR SUPPLIED RESPIRATORS.

Ventilation: GENERAL DILUTION/LOCAL EXHAUST VENTILATION.

Protective Gloves: NITRILE/NEOPRENE RUBBER

Eye Protection: CHEMICAL SPLASH GOGGLES/FULL FACE SHIELD

Other Protective Equipment: IMPERMEABLE APRON.

Suppl. Safety & Health Data: UNUSUAL FIRE CONT'D: CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. TOXIC GASES MAY FORM WHEN PRODUCT IS

CONTACTED BY FLAME/HOT SURFACES. HEALTH HAZARDS CONT'D: CRYSTALLINE SILICA/
QUARTZ MAY LEAD TO SILICOSIS.

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Transportation Data

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Disposal Data

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Label Data

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Honey, Kelly

From: Griffith, John
Sent: Monday, April 22, 2002 10:27 AM
To: Honey, Kelly
Subject: RE: Biennial Report for TECO-Central Operations (FLD 981 477 904)

TECO01SHP.TXT

TECO01SRC.TXT

TECO01WASTE.TXT

Kelly,

Generated by TECO-Central Operations (FLD 981 477 904):

SOURCE PROCESS	TONS_1999	TONS_2001
G06 Painting and coating (manufacturing, bui	0.350	0.480
G07 Product and by-product processing (direc	0.300	0.250
G08 Removal of spent process liquids or cata	0.200	0.000
G11 Discarding off-specification or out-of-d	4.978	0.704
G14 Removal of tank sludge, sediments or sla	0.075	0.000
G16 Oil changes and filter or battery replac	0.775	1.513

EPA WASTE_CODE	TONS_1999	TONS_2001
D001 Ignitable waste	0.275	0.330
D002 Corrosive waste	0.000	0.604
D004 Arsenic	0.000	0.100
D006 Cadmium	0.225	0.000
D008 Lead	6.053	2.013
D009 Mercury	4.978	0.000
D010 Selenium (AF Sludge - no longer generated)	0.775	1.513
D035 Methyl ethyl ketone	0.200	0.230
F001 See BRS Waste Code doc	0.200	0.000
F002 See BRS Waste Code doc	0.200	0.000

(Waste code Quantities may be double counted)

Shipped to:

WASTE FORM	TONS_1999	TONS_2001
TSD SYSTEM		
W119 Other inorganic liquid (specify in comme		
H121 Neutralization only (no other treatment)	0.000	0.604
W206 Waste oil		
H141 Storage, bulking, and/or transfer off-si	0.200	0.000
W209 Paint, ink, lacquer, or varnish (fluid,		
H061 Fuel blending prior to energy recovery a	0.000	0.230
W209 Paint, ink, lacquer, or varnish (fluid,		
H141 Storage, bulking, and/or transfer off-si	0.200	0.100
W219 Other organic liquid (specify in comment		
H141 Storage, bulking, and/or transfer off-si	0.775	1.513
W319 Other inorganic solids (specify in comme		
H141 Storage, bulking, and/or transfer off-si	5.428	0.500
W603 Oily sludge (not W512 contaminated muds)		
H141 Storage, bulking, and/or transfer off-si	0.075	0.000

Jack Griffith
(850)921-9219
MS 4555
2600 Blair Stone Road

Tallahassee, Fl. 32399-2400
john.griffith@dep.state.fl.us

-----Original Message-----

From: Honey, Kelly
Sent: Thursday, April 18, 2002 4:07 PM
To: Griffith, John
Subject: Biennial Report for TECO-Central Operations (FLD 981 477 904)

Jack:

Can you please send me the information on what this facility disposed of last year (quantities and codes, please)? I would so very gratefully appreciate it.

Thanks,
Kelly Honey
RCRA / Division of Waste Management
813/744-6100 (SunCom 512-1042), ext. 369



Material Safety Data Sheet

The Sherwin-Williams Co.
101 Prospect Ave. N.W.
Cleveland, OH 44115

Emergency telephone number
Information telephone number
Date of preparation

(216) 566-2917
(216) 566-2902
May 28, 1998

©1998, The Sherwin-Williams Co.

STEEL MASTER™ 9500 - 30% Silicone Alkyd

B56-300

— Section 2 — CAS No. Hazardous Ingredients (percent by weight)		ACGIH TLV <STEL>	OSHA PEL <STEL>	Units	Vapor Pressure (mm Hg)	B56W301 Pure White	B56W302 Midtone Base	B56W303 Deeptone Base	B56T304 Ultradeep Base	B56W300 Ultra White	B56B300 Black	B56R300 Safety Red	B56Y300 Safety Yellow
108-65-6	1-Methoxy-2-Propanol Acetate	Not Established			1.8	< 3% may be added due to tinting							
64742-88-7	Mineral Spirits.	100	100	PPM	2.0	3 - 6	3 - 6	2 - 5	3 - 6	3	3	3	3
1330-20-7	§ Xylene.	100 <150>	100 <150>	PPM	5.9	1	1	1	1	1	1	1	1
64742-95-6	Light Aromatic Hydrocarbons.	Not Established			3.8	4	4	5	5	4	5	5	5
98-82-8	§ Cumene.	50	50	PPM (Skin)	10.0	1	1	1	1		1	1	1
108-67-8	1,3,5-Trimethylbenzene	25	25	PPM	10.0	5	5	6	6	5	6	6	6
95-63-6	§ 1,2,4-Trimethylbenzene	25	25	PPM	2.0	8	8	8	9	8	9	9	8
136-52-7	Cobalt 2-Ethylhexanoate.	Not Established										0.1	0.1
13463-67-7	Titanium Dioxide.	10	10[5]	Mg/M3 as Dust [Resp. Fraction]		16	14	9		25		2	11
1333-86-4	Carbon Black.	3.5	3.5	Mg/M3		0 - 2	0 - 2	0 - 2	0 - 2		2		
§	Cobalt Compound. [% Cobalt]											0.1 [0.03]	0.1 [0.02]
	Weight per Gallon (lbs.)					10.57	10.49	10.56	9.87	11.10	9.85	9.45	10.10
	Solids by Weight (%)					75.3	75.3	75.9	73.7	76.6	73.8	72.1	74.1
	Solids by Volume (%)					63.4	63.6	64.5	63.6	63.5	63.7	63.1	63.2
	VOC (Volatile Organic Compounds) - lbs./gal.					2.60	2.59	2.54	2.58	2.59	2.58	2.63	2.61
	Photochemically Reactive					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Flash Point (°F)					112	113	113	113	112	113	112	112
	HMIS (NFPA) Rating (health - flammability - reactivity)					3 - 2 - 0	3 - 2 - 0	3 - 2 - 0	3 - 2 - 0	3 - 2 - 0	3* - 2 - 0	3* - 2 - 0	3* - 2 - 0

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§ Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C

Section 3 — Physical Data

PRODUCT WEIGHT	See TABLE	EVAPORATION RATE	Slower than Ether
SPECIFIC GRAVITY	1.14-1.34	VAPOR DENSITY	Heavier than Air
BOILING RANGE	281-395 °F	MELTING POINT	N.A.
VOLATILE VOLUME	35-36 %	SOLUBILITY IN WATER	N.A.

Section 4 — Fire And Explosion Hazard Data

FLAMMABILITY CLASSIFICATION	FLASH POINT	See TABLE	LEL	0.7	UEL	7.0
Combustible, Flash above 99 and below 200 °F						

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section 5 — Health Hazard Data

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

EMERGENCY AND FIRST AID PROCEDURES

If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

If on SKIN: Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

If SWALLOWED: Get medical attention.

CHRONIC Health Hazards

Carbon Black is classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is insufficient evidence in humans for its carcinogenicity.

Cobalt and cobalt compounds are classified by IARC as possibly carcinogenic to humans (group B) based on experimental animal data, however, there is inadequate evidence in humans for its carcinogenicity.

Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary and reproductive systems.

Rats exposed to titanium dioxide dust at 250 mg./m³ developed lung cancer, however, such exposure levels are not attainable in the workplace.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section 6 — Reactivity Data

STABILITY - Stable

CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION - Will Not Occur

Section 7 — Spill Or Leak Procedures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHOD

Waste from these products may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste number.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section 8 — Protection Information

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

These coatings may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg./m³ (total dust), 3 mg./m³ (respirable fraction), OSHA PEL 15 mg./m³ (total dust), 5 mg./m³ (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

Section 9 — Precautions

DOL STORAGE CATEGORY - 2

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Contents are COMBUSTIBLE. Keep away from heat and open flame.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Section 10 — Other Regulatory Information

CALIFORNIA PROPOSITION 65

WARNING: These products contain chemicals known to the State of California to cause cancer.

TSCA CERTIFICATION


All chemicals in these products are listed, or are exempt from listing, on the TSCA Inventory.

This Material Safety Data Sheet conforms to the Hazard Communication standard, 29 CFR 1910.1200(g)(4), for similar complex mixtures.

The above information pertains to these products as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to these products may substantially alter the composition and hazards of the products. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

CB
Honey, Kelly

From: Beverly Morgan [bjmorgan@tecoenergy.com]
Sent: Tuesday, April 16, 2002 2:58 PM
To: Honey, Kelly
Cc: David Lukcic; Jim Cook; Terese Sanchez; Stan Maloy
Subject: Re: spent lamps


Universal Waste
4-10-02.doc

Facility Services located at COC regularly dispatches a maintenance crew to visit the outlining service areas and change out their 4-ft fluorescent lamps. All spent lamps are brought back to COC and stored in the building we visited.

As a universal waste, the lamps may be stored on site for one year. The accumulation date for universal waste starts the day that waste is first placed in the container.

The broken lamps observed during the inspection have been swept into an 8-gallon DOT approved container and labeled "Universal Waste - Broken Lamps". A pickup by Superior Special Services is scheduled for this Thursday, April 18th.

As part of Universal Waste Management awareness training, I developed the attached TEC's Universal Waste Rule for Lamps and Batteries. These guidelines were distributed to designed Environmental Coordinators stationed at our Power Plant and Operation Centers in 1999 and again in April of this year to reflect a change in TEC's Superior Service Representative.

Also, as I mentioned on the phone earlier, RCRA and regulated waste management training is currently being developed as a topic to be given during our monthly Supervisory Environmental and Safety Training. This training includes Universal Waste management. If you have any further questions do not hesitate to GroupWise or call me at (813) 641-5020.

y@dep.state.fl.us> 04/15/02 03:08PM >>>
Beverly:

I have a couple of questions regarding TECO's spent lamps.

Does the COC still accept lamps from other TECO facilities, or were all the lamps present during the inspection generated solely by the COC?

Does the waste management training given by TECO to its employees cover the management of universal wastes, including spent mercury containing lamps?

What has TECO done, or does it intend to do, with the broken lamp(s) observed on the floor of the storage shed during the inspection?

I appreciate your help.

Sincerely,
Kelly Honey
RCRA / Division of Waste Management
813/744-6100 (SunCom 512-1042), ext. 369

Universal Waste Rule for Lamps and Batteries

Guidelines for the management and disposal of spent lamps; batteries and mercury-containing devices have been revised. Please make a copy of these guidelines to read through and use as a reference.

It is no longer necessary to submit a Waste Disposal Request to Environmental Affairs for lamps, batteries and mercury-containing devices. They do not count towards your facilities generating status if they are destined for recycling. It is necessary to forward a copy of Certificates of Recycling indicating the type and quantity picked up for recycling, as this information is needed for the reporting of Waste Minimization practices in the Biennial Report.

TEC has a new Superior Special Services Customer Service Representative. Call Kilisha Brown to schedule a pick-up at (1-800-376-7888).

Accumulation-Time Limits:

Florida follows the requirements for small quantity handlers of universal waste (SQHUWs) and for large quantity handlers of universal waste (LQHUWs) set forth in the federal waste management. These are NOT the same guidelines as that is required of generators of Hazardous Waste.

A SQHUW is defined as a facility that does not accumulate more than 5,000 kg of all universal wastes at any time.

A LQHUW is defined as a facility that accumulates 5,000 kg or more of universal wastes at any time.

All types of universal wastes accumulated on site are included in this threshold. For example: if you have one drum of batteries on site which weighs 1,000 kg, then you may have 4,000 kilograms or approximately 16,000 fluorescent lamps. (1 kg = 4 lamps) and still be below the 5,000 kg threshold to remain a SQHUW.

LQHUW & SQHUW must comply with an accumulation time limit of one year for storing universal wastes. The year time period is measured from the time the waste is either generated (the date it becomes a waste) or received from another universal waste handler i.e. a CESQG. Unlike the hazardous waste regulations, the time period begins when the first lamp or battery is accumulated, not when the container becomes full.

If a handler that generally qualifies as a SQHUW has a one-time accumulation of 5,000-kg or more, the handler would be regulated as a LQHUW for the rest of the calendar year in which the 5,000-kg or more of universal waste was accumulated. A handler may reevaluate its status as a LQHUW in the following calendar year.

There is no EPA notification required as a result of the change from SQHUW to LQHUW if the Handler has an EPA ID number. The LQHUW needs to comply with additional universal waste management regulations, which require:

1. All employees to be thoroughly familiar with proper waste handling and emergency procedures relating to their responsibilities at the facility; and
2. The generator or handler to keep a record of each shipment of universal waste.

At Tampa Electric, it is recommended that all locations that generate universal waste follow LQHUW guidelines. Since all our facilities have EPA ID numbers, as a LQHUW there is no upper limit on the amount of universal waste the facility may accumulate.

When does the 365-Day Clock Begin?

A SQHUW or LQHUW must be able to demonstrate the length of time that the universal waste has been accumulated. The universal waste rule suggests various methods to meet this requirement, including:

- Placing the universal waste in a container that is marked or labeled with the earliest date that a lamp becomes a waste or the lamp was received (from a conditionally exempt facility who has NO clock).
- Marking or labeling each individual item of universal waste with the date it became a waste or was received.
- Maintaining an inventory system, or
- Placing the universal waste in a specific accumulation area.

Recordkeeping:

Large (40 CFR 273.30) and Small (40 CFR 273.19) generators or handlers are required to keep records of their universal waste shipments.

The LQHUW provisions require basic recordkeeping that track all universal waste shipments received and/or sent off-site from their facility.

Records indicating receipt and/or shipment of universal waste must include:

1. The name and address of the originating facility or facility to which a universal waste was sent,
2. Each type of universal waste received or sent, and
3. The date of receipt or transport of universal waste.

These records must be retained for a period of at least three years from the date the universal waste was either received or transported from the facility. The rules do not require a specific recordkeeping form, but any standard business record such as a log, invoice, manifest, or bill of lading will be sufficient.

Satellite Accumulation:

There is no specific provision under 40 CFR 273 for satellite accumulation. The universal waste regulations do not limit the location or number of locations at which a handler may accumulate waste. Thus, a handler may accumulate wastes at or near the point of generation and may do so, in general, for up to one year.

Labeling and Marking:

SQHUVs and LQHUVs follow identical standards for labeling and marking universal wastes. Either the universal waste itself or the container must be labeled or marked clearly. The words to be used are specific to the type of waste, i.e. "Universal Waste - Batteries," or "Used Batteries for Recycling", "Universal Waste Lamps," or "Spent Lamps for Recycling". Universal Waste Labels can be obtained from our contracted Recycler.

Off-Site Shipments:

Waste Lamps may be picked up by a Tampa Electric Company Stores Driver in a "totally enclosed truck" in "good condition" and transported to a TEC LGQ site for storage consolidation; or they may be picked up by a TEC-approved TSDF destined for recycling.

Container Management, Handling and Storage:

Care needs to be taken in packaging lamps, regardless of the particular instructions (or lack of them) from the Recycler. Your main goal is to prevent crushing the lamps, as doing so alters the EPA status of the lamps. Your second goal is to enable easy removal of the lamps by the Recycler. It's best to store the original packaging in a clean, dry place, and then use that packaging to send the used lamps back. If you break a lamp while it's in the box, place the entire box in a plastic bag. Many shippers provide containers at a nominal charge. These purchased containers must meet DOT standards. If they do not, TEC may be held liable.

The following are recommended guidelines for packaging lamps to be recycled:

1. Store lamps indoors, away from the elements, oil, moisture, and sources of mechanical damage.
2. Use the manufacturer's original box only if it is in good condition.
3. Leave no free space in packing containers. A tight fit will keep lamps from rattling around, However:
4. Too tight a fit may cause an "implosion". After the manufacturing process, each lamp retains a certain level of vacuum. If lamps are too tightly packed, a lamp will collapse and when it does, it causes a chain reaction and all the lamps in the package will probably break.
5. Lamps are 30 times stronger in a vertical position than horizontal. "Bulb Bins" allow for vertical packing. But since the majority of lamps are shipped horizontally, how you pack them (not too loose, not too tight), is critical. For best results:
 - Leave no ends exposed;
 - Do not stack boxes more than five feet high;
 - Stack containers within the vertical plan of the pallet;
 - Tie the containers together, preferably with shrink-wrap;
 - DO NOT tape lamps together.
6. When using a steel or fiber drum, use a plastic drum liner. Do not use vermiculite or peanuts for packaging, and do not fill the drums more than 2 inches from the top. Close and seal drums.

7. Place fragile lamps and devices, crushed lamps, lamps or devices showing signs of evidence of leakage, spillage, or damage that could cause leakage in a structurally sound closed container such as a drum.
8. Always notify your shipper of any broken lamps prior to shipment.

Compliance:

You are responsible for hazardous waste generated at your facility forever. Knowing what happens to your waste can help you avert getting involved in a Superfund cleanup, fines and possible jail terms. Although the carrier is responsible for the waste lamps when they are in route to their destination you should check to ensure the lamps are loaded properly prior to leaving your facility. Make sure they use the right tools designed to pick up the containers, which are loaded into the vehicle. You can contract responsibility you can not contract liability.

From: BRANDY RHIND (813)641-5087
TAMPA ELECTRIC CO
6944 US HWY 41 NORTH
APOLLO BEACH, FL, 33572

REVENUE BARCODE



FedEx

To: Ms. Kelly M. Honey (813)744-6100
Fla. Dept. of Env. Protection
3804 Coconut Palm Dr.
S.W. District Ofc.
Tampa, FL, 33619

SHIP DATE: 15APR02
WEIGHT: 1 LB5

Ref: 984-93028-18-984



DELIVERY ADDRESS BARCODE(FEDEX-EDR)

TRK # 7918 1601 3119 FORM 0201

FedEx PRIORITY OVERNIGHT

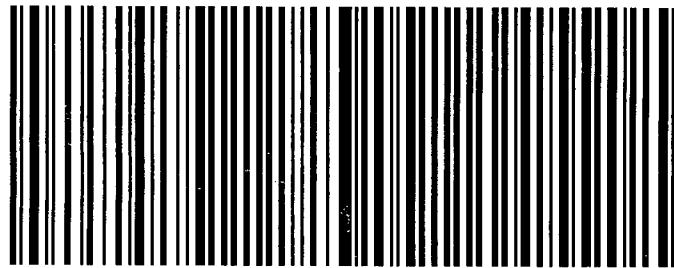
TPA

33619-FL-US

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TUE
A1

Deliver by:
16APR02



4-16-02
Note:
Called Bev.
& discussed
(amps)
She's still working
on other stuff.

Please fold this document in half and place it in the waybill pouch affixed to your shipment so that the barcode portion of the label can be read and scanned.
***WARNING: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Shipping Label

Schedule Courier

Find a Dropoff Location

Shipping History

Shipment Complete

Cancel Shipment

Edit Shipment Information

1. Use the "Print" feature from your browser to send this page to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping label pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Shipment Details

To print a copy of the shipment information for your records, please click "Shipment Details".

Shipment Details

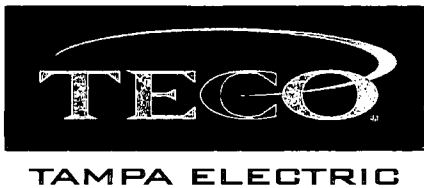
Ship a New Package

Ship Inside U.S.

Ship Outside U.S.

Ship to Same Recipient

Use of this system constitutes your agreement to the service conditions in the current FedEx service Guide, available upon request.
FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.



D.E.P.
APR 16 2002
Southwest District Tampa

April 15, 2002

Ms. Kelly M. Honey
Environmental Specialist
Southwest District
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619-8318

Via FedEx
Airbill No. 7918 1601 3119

Re: Tampa Electric Company
Central Operations Center (COC)
March 28, 2002 Hazardous Waste Inspection

Dear Ms. Honey:

As per your request, I am forwarding documentation of spent lamps and batteries picked up by Superior Special Services for recycling in 2001.

Please contact me at (813) 641-5020 if you have any questions or need additional information.

Sincerely,

Beverly Morgan
Technician
Environmental Affairs

EA/bmr/BJM171

Enclosure

STRAIGHT BILL OF LADING

Purchase Order No. _____

No. _____

953039

ORIGINAL - NOT NEGOTIABLE

SUPERIOR SPECIAL SERVICES, INC.

62-05-01

Date

TO: Consignee

☐ 4972 Woodville Hwy.
Tallahassee, FL 32311
FL0000207449☐ 8503 Sunstate St.
Tampa, FL 33634
FL0000369199

FROM: Shipper

Teco

Street

2200 E. Sligh Ave

City

TAMPA FL 33610

I, HEREBY CERTIFY THAT THE LAMPS DESCRIBED IN THE BILL OF LADING ARE CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPT. OF TRANSPORTATION.

HM	Kind of Packaging; Description of Articles Special Marks and Exceptions	No. of Lamps Estimate	Actual	Linear Feet	Container's Rec'd Left	Type
	Spent Mercury containing lamps for recycling - not regulated by D.O.T.					
	Straight Fluorescent Lamps 1'					
	Straight Fluorescent Lamps 2'					
	Straight Fluorescent Lamps 3'					
	Straight Fluorescent Lamps 4'					
	Straight Fluorescent Lamps 5'					
	Straight Fluorescent Lamps 6'					
	Straight Fluorescent Lamps 7'					
	Straight Fluorescent Lamps 8'					
	SHATTERSHIELD					
	COMPACTS					
	COMPACTS W/ BALLASTS					
	U-SHAPED					
	CIRCULAR					
	HID					
	INCANDESCENTS					
	BROKEN					
	MERCURY CONTAINING DEVICES					
	BATTERIES, WET, FILLED W/ACID, 8, UN2794, PG-III					
	BATTERIES, WET, FILLED W/ALKALI, 8, UN2795, PG-III					
	NON PCB BALLASTS					
	PCB BALLASTS					
	R.Q. POLYCHLORINATED BIPHENYL'S, 9, UN 2315, PG-III					
	RECEIVED BY:					
	DATE:					

CUSTOMER SVC: SUPERIOR SPECIAL SERVICES, INC - 8503 SUNSTATE ST, TAMPA, FL 33634 (800) 376-7888
24 HOUR EMERGENCY RESPONSE, SUPERIOR SPECIAL SERVICES, INC. (800) 688-4005

NOTES:

CO #	SHIPPER	ACCEPTED BY:
SO #	X TECO	X
DOC #	DATE 02-05-01	DRIVERS SIGNATURE

*MARK WITH AN "X" TO DESIGNATE HAZARDOUS MATERIAL AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS.

STRAIGHT BILL OF LADING

Purchase Order No. _____

No. _____

963102

ORIGINAL - NOT NEGOTIABLE

SUPERIOR SPECIAL SERVICES, INC.

03-06-01
Date

TO: Consignee

☐ 4972 Woodville Hwy.
Tallahassee, FL 32311
FL0000207449☒ 8503 Sunstate St.
Tampa, FL 33634
FL0000369199

FROM: Shipper

Street

City

I, HEREBY CERTIFY THAT THE LAMPS DESCRIBED IN THE BILL OF LADING ARE CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPT. OF TRANSPORTATION.

HM	Kind of Packaging; Description of Articles Special Marks and Exceptions	No. of Lamps Estimate	Actual	Linear Feet	Container's Rec'd Left	Type
	Spent Mercury containing lamps for recycling - not regulated by D.O.T.					
	Straight Fluorescent Lamps 1'					
	Straight Fluorescent Lamps 2'					
	Straight Fluorescent Lamps 3'					
	Straight Fluorescent Lamps 4'					
	Straight Fluorescent Lamps 5'					
	Straight Fluorescent Lamps 6'					
	Straight Fluorescent Lamps 7'					
	Straight Fluorescent Lamps 8'					
	SHATTERSHIELD					
	COMPACTS					
	COMPACTS W/ BALLASTS					
	U-SHAPED					
	CIRCULAR					
	HID 10 PL.					
	INCANDESCENTS					
	BROKEN					
	MERCURY CONTAINING DEVICES					
	BATTERIES, WET, FILLED W/ACID, 8, UN2794, PG-III					
	BATTERIES, WET, FILLED W/ALKALI, 8, UN2795, PG-III					
	NON PCB BALLASTS					
	PCB BALLASTS					
	R.Q. POLYCHLORINATED BIPHENYL'S, 9, UN 2315, PG-III					

RECEIVED BY: _____

DATE: _____

CUSTOMER SVC: SUPERIOR SPECIAL SERVICES, INC - 8503 SUNSTATE ST, TAMPA, FL 33634 (800) 376-7888
24 HOUR EMERGENCY RESPONSE, SUPERIOR SPECIAL SERVICES, INC. (800) 688-4005

NOTES:

CO #	SHIPPER	ACCEPTED BY:
SO #	X	X
DOC #	DATE 03-06-01	DRIVERS SIGNATURE

*MARK WITH AN "X" TO DESIGNATE HAZARDOUS MATERIAL AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS.

STRAIGHT BILL OF LADING

Purchase Order No. _____

No. _____

963217

ORIGINAL - NOT NEGOTIABLE

SUPERIOR SPECIAL SERVICES, INC.

03-26-01

Date

TO: Consignee

☐ 4972 Woodville Hwy.
Tallahassee, FL 32311
FL0000207449☒ 8503 Sunstate St.
Tampa, FL 33634
FL0000369199

FROM: Shipper

Street

City

I, HEREBY CERTIFY THAT THE LAMPS DESCRIBED IN THE BILL OF LADING ARE CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPT. OF TRANSPORTATION.

HM	Kind of Packaging; Description of Articles Special Marks and Exceptions	No. of Lamps Estimate	Actual	Linear Feet	Container's Rec'd Left	Type
	Spent Mercury containing lamps for recycling - not regulated by D.O.T.					
	Straight Fluorescent Lamps 1'					
	Straight Fluorescent Lamps 2'		35			
	Straight Fluorescent Lamps 3'					
	Straight Fluorescent Lamps 4'		1099			
	Straight Fluorescent Lamps 5'					
	Straight Fluorescent Lamps 6'					
	Straight Fluorescent Lamps 7'					
	Straight Fluorescent Lamps 8'		112			
	SHATTERSHIELD					
	COMPACTS					
	COMPACTS W/ BALLASTS					
	U-SHAPED					
	CIRCULAR					
	HID		20			
	INCANDESCENTS		115			
	BROKEN					
	MERCURY CONTAINING DEVICES					
	BATTERIES, WET, FILLED W/ACID, 8, UN2794, PG-III					
	BATTERIES, WET, FILLED W/ALKALI, 8, UN2795, PG-III					
	NON PCB BALLASTS					
	PCB BALLASTS					
	R.Q. POLYCHLORINATED BIPHENYL'S, 9, UN 2315, PG-III					

RECEIVED BY: _____

DATE: _____

CUSTOMER SVC: SUPERIOR SPECIAL SERVICES, INC - 8503 SUNSTATE ST, TAMPA, FL 33634 (800) 376-7888
24 HOUR EMERGENCY RESPONSE, SUPERIOR SPECIAL SERVICES, INC. (800) 688-4005

NOTES:

CO #	SHIPPER	ACCEPTED BY
SO #	X	X
DOC #	DATE 3-26-01	DRIVERS SIGNATURE

*MARK WITH AN "X" TO DESIGNATE HAZARDOUS MATERIAL AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS.

STRAIGHT BILL OF LADING

Purchase Order No. _____

No. 966796

ORIGINAL - NOT NEGOTIABLE

SUPERIOR SPECIAL SERVICES, INC.

10 02-01
Date

TO: Consignee

☐ 4972 Woodville Hwy.
Tallahassee, FL 32311
FL0000207449☐ 8503 Sunstate St.
Tampa, FL 33634
FL0000369199

FROM: Shipper

Street

City

I, HEREBY CERTIFY THAT THE LAMPS DESCRIBED IN THE BILL OF LADING ARE CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPT. OF TRANSPORTATION.

HM	Kind of Packaging; Description of Articles Special Marks and Exceptions	No. of Lamps Estimate	Actual	Linear Feet	Container's Rec'd Left	Type
	Spent Mercury containing lamps for recycling - not regulated by D.O.T.					
	Straight Fluorescent Lamps 1'					
	Straight Fluorescent Lamps 2'					
	Straight Fluorescent Lamps 3'		30			
	Straight Fluorescent Lamps 4'		520			
	Straight Fluorescent Lamps 5'					
	Straight Fluorescent Lamps 6'					
	Straight Fluorescent Lamps 7'					
	Straight Fluorescent Lamps 8'					
	SHATTERSHIELD					
	COMPACTS			27		
	COMPACTS W/ BALLASTS					
	U-SHAPED			12		
	CIRCULAR					
	HID 15 PL					
	INCANDESCENTS					
	BROKEN					
	MERCURY CONTAINING DEVICES					
	BATTERIES, WET, FILLED W/ACID, 8, UN2794, PG-III					
	BATTERIES, WET, FILLED W/ALKALI, 8, UN2795, PG-III					
	NON PCB BALLASTS					
	PCB BALLASTS					
	R.Q. POLYCHLORINATED BIPHENYL'S, 9, UN 2315, PG-III					

RECEIVED BY: _____

DATE: _____

CUSTOMER SVC: SUPERIOR SPECIAL SERVICES, INC - 8503 SUNSTATE ST, TAMPA, FL 33634 (800) 376-7888
24 HOUR EMERGENCY RESPONSE, SUPERIOR SPECIAL SERVICES, INC. (800) 688-4005

NOTES:

CO #	SHIPPER	ACCEPTED BY:
SO #	X	X
DOC #	DATE 10-2-01	DRIVERS SIGNATURE

*MARK WITH AN "X" TO DESIGNATE HAZARDOUS MATERIAL AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS.

STRAIGHT BILL OF LADING

Purchase Order No. _____

No. **966238**

ORIGINAL - NOT NEGOTIABLE

SUPERIOR SPECIAL SERVICES, INC.

11-11-01

Date

TO: Consignee

☐ 4972 Woodville Hwy.
Tallahassee, FL 32311
FL0000207449

☐ 8503 Sunstate St.
Tampa, FL 33634
FL0000369199

FROM: Shipper

Street

City

I, HEREBY CERTIFY THAT THE LAMPS DESCRIBED IN THE BILL OF LADING ARE CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPT. OF TRANSPORTATION.

HM	Kind of Packaging; Description of Articles Special Marks and Exceptions	No. of Lamps Estimate	Actual	Linear Feet	Container's Rec'd Left	Type
	Spent Mercury containing lamps for recycling - not regulated by D.O.T.		25			
	Straight Fluorescent Lamps 1'					
	Straight Fluorescent Lamps 2'		40			
	Straight Fluorescent Lamps 3'		140			
	Straight Fluorescent Lamps 4'					
	Straight Fluorescent Lamps 5'		115			
	Straight Fluorescent Lamps 6'		85			
	Straight Fluorescent Lamps 7'		40			
	Straight Fluorescent Lamps 8'					
	SHATTERSHIELD	500.0				
	COMPACTS					
	COMPACTS W/ BALLASTS					
	U-SHAPED					
	CIRCULAR					
	HID	3000				
	INCANDESCENTS					
	BROKEN					
	MERCURY CONTAINING DEVICES					
	BATTERIES, WET, FILLED W/ACID, 8, UN2794, PG-III					
	BATTERIES, WET, FILLED W/ALKALI, 8, UN2795, PG-III					
	NON PCB BALLASTS					
	PCB BALLASTS					
	R.Q. POLYCHLORINATED BIPHENYL'S, 9, UN 2315, PG-III					

RECEIVED BY: _____

DATE: _____

CUSTOMER SVC: SUPERIOR SPECIAL SERVICES, INC - 8503 SUNSTATE ST, TAMPA, FL 33634 (800) 376-7888
24 HOUR EMERGENCY RESPONSE, SUPERIOR SPECIAL SERVICES, INC. (800) 688-4005

NOTES:

CO #	SHIPPER	ACCEPTED BY:
SO #	X	X
DOC #	DATE 11-11-01	DRIVERS SIGNATURE

*MARK WITH AN "X" TO DESIGNATE HAZARDOUS MATERIAL AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS.

STRAIGHT BILL OF LADING

Purchase Order No. _____

No. 987144

ORIGINAL - NOT NEGOTIABLE

SUPERIOR SPECIAL SERVICES, INC.

11-19-01

Date

TO: Consignee

☐ 4972 Woodville Hwy.
Tallahassee, FL 32311
FL0000207449☒ 8503 Sunstate St.
Tampa, FL 33634
FL0000369199

FROM: Shipper

TecoStreet 2200 EAST SLIGH AVE.City TAMPA FL, 33610

I, HEREBY CERTIFY THAT THE LAMPS DESCRIBED IN THE BILL OF LADING ARE CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPT. OF TRANSPORTATION.

HM	Kind of Packaging; Description of Articles Special Marks and Exceptions	No. of Lamps Estimate	Actual	Linear Feet	Container's Rec'd Left	Type
	Spent Mercury containing lamps for recycling - not regulated by D.O.T.					
	Straight Fluorescent Lamps 1'					
	Straight Fluorescent Lamps 2'					
	Straight Fluorescent Lamps 3'					
	Straight Fluorescent Lamps 4'					
	Straight Fluorescent Lamps 5'					
	Straight Fluorescent Lamps 6'					
	Straight Fluorescent Lamps 7'					
	Straight Fluorescent Lamps 8'					
	SHATTERSHIELD					
	COMPACTS					
	COMPACTS W/ BALLASTS					
	U-SHAPED					
	CIRCULAR					
	HID	2500			5	
	INCANDESCENTS					
	BROKEN					
	MERCURY CONTAINING DEVICES					
	BATTERIES, WET, FILLED W/ACID, 8, UN2794, PG-III					
	BATTERIES, WET, FILLED W/ALKALI, 8, UN2795, PG-III					
	NON PCB BALLASTS					
	PCB BALLASTS					
	R.Q. POLYCHLORINATED BIPHENYL'S, 9, UN 2315, PG-III					

RECEIVED BY: _____

DATE: _____

CUSTOMER SVC: SUPERIOR SPECIAL SERVICES, INC - 8503 SUNSTATE ST, TAMPA, FL 33634 (800) 376-7888
24 HOUR EMERGENCY RESPONSE, SUPERIOR SPECIAL SERVICES, INC. (800) 688-4005

NOTES:

CO #	SHIPPER	ACCEPTED BY:
SO #	X <u>[Signature]</u>	X
DOC #	DATE <u>11-19-01</u>	DRIVERS SIGNATURE <u>[Signature]</u>

*MARK WITH AN "X" TO DESIGNATE HAZARDOUS MATERIAL AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS.

Honey, Kelly

From: Honey, Kelly
Sent: Monday, April 15, 2002 3:09 PM
To: 'bjmorgan@tecoenergy.com'
Subject: spent lamps

Beverly:

I have a couple of questions regarding TECO's spent lamps.

Does the COC still accept lamps from other TECO facilities, or were all the lamps present during the inspection generated solely by the COC?

Does the waste management training given by TECO to its employees cover the management of universal wastes, including spent mercury containing lamps?

What has TECO done, or does it intend to do, with the broken lamp(s) observed on the floor of the storage shed during the inspection?

I appreciate your help.

Sincerely,
Kelly Honey
RCRA / Division of Waste Management
813/744-6100 (SunCom 512-1042), ext. 369

From: BRANDY RHIND (813)641-5087
TAMPA ELECTRIC CO
6944 US HWY 41 NORTH

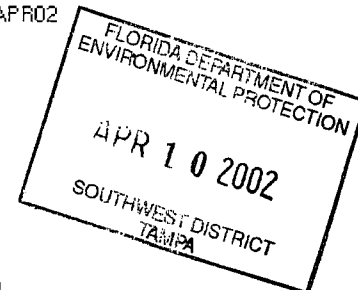
APOLLO BEACH, FL, 33572



FedEx

To: Ms. Kelly M. Honey (813)744-6100
Fla. Dept. of Env. Protection
3804 Coconut Palm Dr.
S.W. District Ofc.
Tampa, FL, 33619

SHIP DATE: 09APR02
WEIGHT: 1 LBS



Ref: 984-93028-18-984



DELIVERY ADDRESS BARCODE (FEDEX-EDR)

TRK # 7903 7466 5593 FORM 0201

FedEx PRIORITY OVERNIGHT

TPA

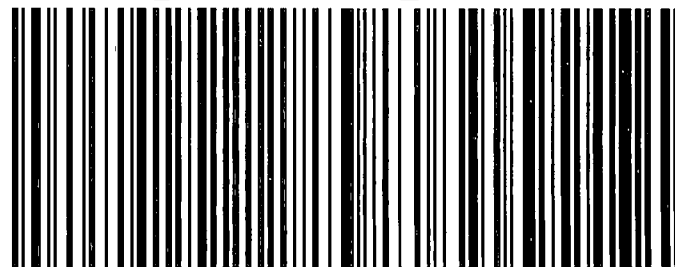
33619-FL-US

34 MCFA

WED

A1

Deliver by:
10APR02



Please fold this document in half and place it in the waybill pouch affixed to your shipment so that the barcode portion of the label can be read and scanned.
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1. Use the "Print" feature from your browser to send this page to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping label pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Shipment Details

To print a copy of the shipment information for your records, please click "Shipment Details".

Shipment Details

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Ship Inside U.S.

Ship Outside U.S.

Ship to Same Recipient

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FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

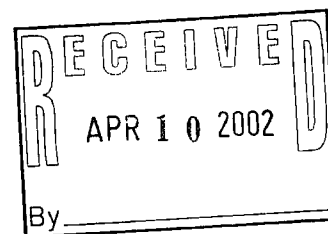


April 9, 2002

Ms. Kelly M. Honey
Environmental Specialist
Southwest District
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619-8318

Via FedEx
Airbill No. 7903 7466 5593

**Re: Tampa Electric Company
Central Operations Center (COC)
March 28, 2002 Hazardous Waste Inspection**



Dear Ms. Honey:

As per your request, I am forwarding to you the following enclosures:

- Enclosure 1:** A copy of the 1995 Procedures for Handling Hazardous Waste Manual. Please note that an Integrated Contingency Plan (ICP) is being prepared for the Central Operations Center. This ICP consolidates several procedures into a single functional plan for COC to comply with Federal and State of Florida requirements. The plan is currently in DRAFT and is scheduled for release by June 2002.
- Enclosure 2:** A copy of the Weekly Inspection Checklist for COC's hazardous waste storage area, which has been revised in response to your comments.
- Enclosure 3:** Receipts from IPC/Magnum for the pickup of the used oil at the garage facility.
- Enclosure 4:** Lab analysis for the oil/water separator sludge verifying it is non-hazardous.
- Enclosure 5:** A list of the fire extinguishers at COC and the Meter Dept. (across the street) which were recertified by Eddie Hyman of County Fire Equipment Company on April 8th and 9th, 2002. (P.O. 81574).

Ms. Kelly M. Honey
April 9, 2002
Page 2 of 2

I believe that the enclosed information should satisfy your concerns. Please contact me at (813) 641-5020 if you need additional information.

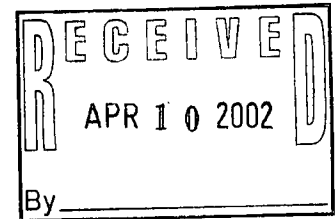
Sincerely,

Beverly Morgan

Beverly Morgan
Technician
Environmental Affairs

EA/bmr/BJM170

Enclosure



WEEKLY INSPECTION SHEET

TOTAL P.01
P.01

Time: 3:30 pm

Date: 4-4-02

Name (Print): Eric Singleton

Signature: [Signature]

PCB Adjacent Storage Area

PCB Waste In Storage?	Equipment / Container Labeled?	Equipment / Container Free of Leaks	Comments
YES or NO	YES or NO	YES or NO	
N/A	N/A	N/A	N/A

#2

PCB Permanent Storage Area

(10 TX CONV) (9 Baskings) (1 drum)

Doors Shut?	Emergency Response Equipment Ready?	Spill Kit Complete?	PCB Waste In Storage?	Equipment / Container Labeled?	Equipment / Container Free of Leaks
YES or NO	YES or NO	YES or NO	YES or NO	YES or NO	YES or NO
yes	yes	yes	yes	yes	yes

Hazardous Waste 90-Day Storage Area

Any Hazardous Waste In Storage Area?	How Many Containers of Hazardous Waste?	Emergency Equipment Ready & Clear?	Hazardous Waste In Storage?	Containers Labeled?	Container Free of Leaks
YES or NO		YES or NO	YES or NO	YES or NO	YES or NO
yes	ONE	yes	yes	yes	yes

8132753236

APR-03-2002 07:05

IN-ESTMENT RECOVERY

APR-03-2002 07:21

8132753236 P.01/01

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No.

2. Page 1
of

3. Generator's Name and Mailing Address

TECO CSA
2200 E. Sligh
Tampa FL 33611

4. Generator's Phone ()

5. Transporter 1 Company Name

IPC/MAGNUM PLANT CITY

6. US EPA ID Number

PLD 065-680 613

A. Transporter's Phone

813-754-1504

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

IPC/MAGNUM PLANT CITY
105 S. ALEXANDER STREET
PLANT CITY FL 33566

10. US EPA ID Number

PLD 065-680 613

C. Facility's Phone

813-754-1504

11. Waste Shipping Name and Description

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

a. COMBUSTIBLE LIQUID N.O.S., NA1993 PGIII (USED OIL)

1 7T

250

b. NON HAZARDOUS, NON REGULATED, N.O.S.
CONTAINS: USED OIL FILTERS

c. NON HAZARDOUS, NON REGULATED LIQUID CONTAINS:
ANTIFREEZE FOR RECYCLING

d. NON HAZARDOUS, NON REGULATED LIQUID N.O.S.
CONTAINS

3

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

PROFILE 11a: BLK-NO

PROFILE 11b: _____

PROFILE 11c: _____

PROFILE 11d: _____

15. Special Handling Instructions and Additional Information

I CERTIFY THIS MATERIAL IS REGULATED AS USED OIL AS DEFINED IN
IND 40 CFR 279 AND 62-710 P.A.C. THIS MATERIAL DOES NOT CONTAIN
AUTO AND NEVER HAS BEEN MIXED WITH ANY HAZARDOUS WASTES.
MIXED INITIALS JS EMERGENCYS CALL 1-800-424-8320
CHLORINE SCREENING METHOD < THAN 1000 PPM HALOGEN BEEPER
< THAN 1000 PPM DEYSIL KIT

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

STEVE TUCKER

Signature

Steve Tucker 1-9-02

Month Day Year

1 9 2

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

JEFF WENGERSKI

Signature

JEFF WENGERSKI

Month Day Year

1 9 2

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

1 9 2

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

IPC/MAGNUM PLANT CITY

Printed/Typed Name

Signature

Month Day Year

1 9 2

GENERATOR'S COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No.

2. Page 1
of

3. Generator's Name and Mailing Address

4. Generator's Phone

5. Transporter 1 Company Name

IPC/MAGNUM PLANT CITY

7. Transporter 2 Company Name

9. Designated Facility Name and Site Address

IPC/MAGNUM PLANT CITY
185 S. ALEXANDER STREET
PLANT CITY FL 33566

6. US EPA ID Number

PLD 065 680.613

8. US EPA ID Number

10. US EPA ID Number

PLD 065 680.613

A. Transporter's Phone

813-754-1504

B. Transporter's Phone

C. Facility's Phone

813-754-1504

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. COMBUSTIBLE LIQUID N.O.S., NA1993 PGIII (USED OIL)

0.01 T. 2.00

b. NON HAZARDOUS, NON REGULATED, N.O.S.
CONTAINS: USED OIL FILTERS

c. NON HAZARDOUS, NON REGULATED LIQUID CONTAINS:
ANTIFREEZE FOR RECYCLING

d. NON HAZARDOUS, NON REGULATED LIQUID N.O.S.
CONTAINS

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

PROFILE 11a: BLR-NO
PROFILE 11b:
PROFILE 11c:
PROFILE 11d:

15. Special Handling Instructions and Additional Information

I CERTIFY THIS MATERIAL IS REGULATED AS USED OIL AS DEFINED IN
IND 40 CFR 279 AND 62-710 P.A.C. THIS MATERIAL DOES NOT CONTAIN
AUTO AND NEVER HAS BEEN MIXED WITH ANY HAZARDOUS WASTES.
MIXED INITIALS EMERGENCYS CALL 1-800-424-8320
CHLORINE SCREENING METHOD: < THAN 1000 PPM HALOGEN BSEPER
< THAN 1000 PPM DEXSIL KIT

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

IPC/MAGNUM PLANT CITY

Printed/Typed Name

Signature

Month Day Year

GENERATOR'S COPY

HM 3.5.5.18

001661-000041

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest
Document No.
0073256

2. Page 1
of 1

IPC/MAGNUM-PLANTCITY

60

3. Generator's Name and Mailing Address
TECO-EAST SLIGH
2200 E SLIGH
TAMPA FL 33601

4. Generator's Phone () 813-238-4111

5. Transporter 1 Company Name
IPC/MAGNUM PLANT CITY

6. US EPA ID Number
FLD 065 680-613

A. Transporter's Phone
813-754-1504

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

IPC/MAGNUM PLANT CITY
105 S. ALEXANDER STREET
PLANT CITY FL 33566

10. US EPA ID Number

FLD 065 680-613

C. Facility's Phone

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. NON HAZARDOUS, NON REGULATED LIQUID, N.O.S.
(CONTAINS: OILY WATER)

001 TY 01800 G

b. NON HAZARDOUS, NON REGULATED SOLID, N.O.S.
(CONTAINS: sludge)

001 TY 00900 G

#4

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

PROFILE 11a: 0120A
PROFILE 11b: 05101
PROFILE 11c:
PROFILE 11d:

15. Special Handling Instructions and Additional Information

FOR WD-01-150
WD-01-164
WD-01-189

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

JAMES F. COOK

Signature

James F. Cook

Month Day Year
10 10 01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

JAMES F. COOK Alan Stinson

Signature

Alan Stinson

Month Day Year
10 17 01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.

IPC/MAGNUM PLANT CITY

Printed/Typed Name

Signature

Month Day Year

GENERATOR'S COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No.

2. Page 1
of

11-257

3. Generator's Name and Mailing Address

Teco
2200 E. High Ave. Tpa. FL 33601

4. Generator's Phone ()

County: Hillsborough
A. Transporter's Phone

813-754-1504

5. Transporter 1 Company Name

IPC MAGNUM PLANT CITY

6.

US EPA ID Number

FLD 065608613

7. Transporter 2 Company Name

8.

US EPA ID Number

9. Designated Facility Name and Site Address

IPC MAGNUM - PLANT CITY
105 S. ALEXANDER ST.
PLANT CITY, FL 33666

10.

US EPA ID Number

FLD 065608613

C. Facility's Phone

813-754-1504

11. Waste Shipping Name and Description

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

a.

COMBUSTIBLE LIQUID N.O.S., 3 NA 1993, PG III (USED OIL)

G

b.

NON HAZARDOUS, NON REGULATED, N.O.S.
CONTAINS: OIL FILTERS 100gc

G

c.

NON HAZARDOUS, NON REGULATED, N.O.S. LIQUID CONTAINS ANTIFREEZE FOR RECYCLING

G

d.

NON HAZARDOUS, NON REGULATED LIQUID, N.O.S. CONTAINS: PCW ONLY WATER

G

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

116 420 5101
116: 540 1200

15. Special Handling Instructions and Additional Information

For WD-01-01
IND 01-01
WD-01-150 AUTOMOTIVE
MIXED 01-01
WD-01-164
WD-01-189

I certify that this material is regulated as a Used Oil as defined in 40 CFR 279 and 62-710 F.A.C. This material does not contain and never has been mixed with any hazardous waste s.

Initials

CASE OF EMERGENCY CALL 1-800-424-3300

IN

CHLORINE SCREENING METHOD

< THAN 1000 PPM HALOGEN BEEPER

< THAN 1000 PPM DEXSL KIT

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

JAMES D. COOK

[Signature]

11/16/01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

Larry Davis

[Signature]

11/16/01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

2 trucks

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

IPC MAGNUM PLANT CITY

Printed/Typed Name

Signature

Month Day Year

GENERATOR'S COPY

Div: 010 IPC/MAGNUM PLANT CITY TERR: STOP: Wk: Strt: Rpts: PAGE 01

Work Order#: 001661-000041 BETH Cust No: 000000007812
 Printed : 10/12/2001 Sched: 10/12/2001 TAMPA ELECTRIC-TPA
 Terms : NET 10 Time: 00:00 P O BOX 3285
 Truck Num: TAMPA FL 33601
 Salesman : 2 MIKE ANDERSON HILLSBOROUGH
 Cust. PO#: 813-228-4818

=====Site Information=====Generator Information=====

TECO-EAST SLIGH	TECO-EAST SLIGH
2200 E SLIGH	2200 E SLIGH
TAMPA FL 33601	TAMPA FL 33601
HILLSBOROUGH 813-238-4111	HILLSBOROUGH 813-238-4111

=====DESTINATION=====

IPC/MAGNUM PLANT CITY	105 S. ALEXANDER STREET
PLANT CITY FL 33566	813-754-1504

=====Work Description=====

VAC OUT 52 DRUMS OF OILY WATER AND SLUDGE-FROM PAST SEPARATOR CLEAN OUTS & SHOP
 CAN ONLY SERVICE ON TUESDAY, WEDNESDAY, FRIDAY

SITE CONTACT - Jim Cook

WD-01-150 } all
 WD-01-164 }
 WD-01-185 }

TYPE Manifest	BOL#	Product Description	Product Desig	Rte.
OIL 0073256		OILY WATERS	0120A	PLANT C INE
NON 0073256		SOLIDS	05101	PLANT C INE

Equip	Description	Technician	Quantity	UM	*- A C T U A L -*	Rate	Cost
0120A	OILY WATERS			GA			
05101	SOLIDS			GA			
DECON	DECON TANKER		1.00	EA			
VTP	VAC TRUCK PORTAL TO PORTAL			HR			

Manifest#: 73256 Manifest#: 7101A AMOUNT DUE--->

DESCRIPTION OF WORK COMPLETED: "dewater" (72) 55 gal. DM - of the 72 DM
 20 wash down (62) 55 gal. DM - 2nd truck # 851 total sludge = 1900 gal.
 total oily water = 2650 gal.

Owner/agent further agrees to be responsible for all costs of collection, including reasonable attorney's fees and charged the maximum interest rate permitted by law on invoices past due 30 days or longer. Upon acceptance, please sign and approve quote. Final cost may vary based on job completion.

site time unit #60 = 13.75 hrs.

site time unit #V-851 = 6.0 hrs.

+ mobilization

Owner or Agent of Owner



**Environmental Affairs
Laboratory Services**

Report Number:
AA62066 -092601- 15

5012 Causeway Blvd * Tampa Fl. 33619 * Ph (813)630-7378 * Fax (813)630-7360 * CompQAP #910140G * DOH #E54272

Report For: Waste Disposal Folder, CES
Beverly Morgan, Envir. Plan.

Report Date: 09/26/2001

Laboratory ID: AA62066

Sample Information

Location Code: WDISP-CS

Location Description: Waste Disposal, CSA

Project Account Code: 01-164

PHYSICAL COMPOSITION BY VISUAL OBSERV.:

~50% OILY SLUDGE, ~50% WATER

Sampled By: ERIC WARREN

Date Sampled: 09/06/2001

Time Sampled: 3:40:00 PM

Laboratory Results

Parameter	Result	Units	MDL	Lower Limit	Upper Limit	Violation Check
Physical State @ 70 degrees F	Semi-solid					
Odor	Strong					
Color	Black					
Arsenic, TCLP	Less than MDL	mg/l	0.3		5.0	
Barium, TCLP	0.43	mg/l	0.05		100.0	
Cadmium, TCLP	Less than MDL	mg/l	0.05		1.0	
Chromium, TCLP	Less than MDL	mg/l	0.2		5.0	
Lead, TCLP	Less than MDL	mg/l	0.1		5.0	
Selenium, TCLP	Less than MDL	mg/l	0.2		1.0	
Silver, TCLP	Less than MDL	mg/l	0.1		5.0	

Comments:

Oily water & Sludge from separator

41-55 gal. drums

Volatiles are analysed by a subcontracted Lab. Report is send to B. Morgan.

Robert Dorey,
Manager, Environmental Services



6712 Benjamin Road • Suite 100 • Tampa, FL 33634 • Tel: 813 885 7427 • Fax: 813 885 7049 • www.stl-inc.com

STL Tampa West

LOG NO: B1-53003
Received: 10 SEP 01
Reported: 21 SEP 01

Mr. Robert Dorey
Tampa Electric Company
5010 Causeway Blvd.
Tampa, FL 33619

Project: WD01-164
Sampled By: Client
Code: 141310921

Page 1

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
53003-1	WD01-164	09-06-01/15:40
PARAMETER	53003-1	
Halogenated and Aromatic Volatiles (8021)		
Benzene, ug/kg dw		<26
Bromodichloromethane, ug/kg dw		<26
Bromoform, ug/kg dw		<130
Bromomethane, ug/kg dw		<26
Carbon Tetrachloride, ug/kg dw		<26
Chlorobenzene, ug/kg dw		<26
Chloroethane, ug/kg dw		<26
Chloroform, ug/kg dw		<26
Chloromethane, ug/kg dw		<26
Chlorodibromomethane, ug/kg dw		<26
1,2-Dichlorobenzene, ug/kg dw		<26
1,3-Dichlorobenzene, ug/kg dw		<26
1,4-Dichlorobenzene, ug/kg dw		<26
Dichlorodifluoromethane, ug/kg dw		<26
1,1-Dichloroethane, ug/kg dw		410
1,2-Dichloroethane, ug/kg dw		<26
1,1-Dichloroethylene, ug/kg dw		<26
cis-1,2-Dichloroethylene, ug/kg dw		<26
trans-1,2-Dichloroethylene, ug/kg dw		<26
1,2-Dichloropropane, ug/kg dw		<26
cis-1,3-Dichloropropene, ug/kg dw		<26
trans-1,3-Dichloropropene, ug/kg dw		<26
Ethylbenzene, ug/kg dw		180
Methylene Chloride, ug/kg dw		<52
1,1,2,2-Tetrachloroethane, ug/kg dw		<26

LOG NO: B1-53003
Received: 10 SEP 01
Reported: 21 SEP 01

Mr. Robert Dorey
Tampa Electric Company
5010 Causeway Blvd.
Tampa, FL 33619

Project: WD01-164
Sampled By: Client
Code: 141310921

Page 2

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
53003-1	WD01-164	09-06-01/15:40
PARAMETER	53003-1	
Tetrachloroethylene, ug/kg dw	130	≈ 0.007 TCLA mg/L
Toluene, ug/kg dw	180	
1,1,1-Trichloroethane, ug/kg dw	<26	
1,1,2-Trichloroethane, ug/kg dw	<26	
Trichloroethylene, ug/kg dw	<26	
Trichlorofluoromethane, ug/kg dw	<26	
Vinyl Chloride, ug/kg dw	<26	
o-Xylene, ug/kg dw	420	
m&p-Xylene, ug/kg dw	700	
2-Chloroethylvinyl Ether, ug/kg dw	<520	
Methyl Tert Butyl Ether (MTBE), ug/kg dw	<520	
Analysis Date	09.13.01	



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STL Tampa West

LOG NO: B1-53003
Received: 10 SEP 01
Reported: 21 SEP 01

Mr. Robert Dorey
Tampa Electric Company
5010 Causeway Blvd.
Tampa, FL 33619

Project: WD01-164
Sampled By: Client
Code: 141310921

REPORT OF RESULTS

Page 3

		DATE/		
LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	TIME SAMPLED		

53003-2	Method Blank			
53003-3	Accuracy (%Rec)			
53003-4	Precision (%RPD)			
53003-5	Analyst Initials			

PARAMETER	53003-2	53003-3	53003-4	53003-5

Halogenated and Aromatic Volatiles (8021)				
Benzene, ug/kg dw	<5.0	110 %	3.6 %	JFB
Bromodichloromethane, ug/kg dw	<5.0	---	---	JFB
Bromoform, ug/kg dw	<25	---	---	JFB
Bromomethane, ug/kg dw	<5.0	---	---	JFB
Carbon Tetrachloride, ug/kg dw	<5.0	---	---	JFB
Chlorobenzene, ug/kg dw	<5.0	104 %	0 %	JFB
Chloroethane, ug/kg dw	<5.0	---	---	JFB
Chloroform, ug/kg dw	<5.0	---	---	JFB
Chloromethane, ug/kg dw	<5.0	---	---	JFB
Chlorodibromomethane, ug/kg dw	<5.0	---	---	JFB
1,2-Dichlorobenzene, ug/kg dw	<5.0	---	---	JFB
1,3-Dichlorobenzene, ug/kg dw	<5.0	---	---	JFB
1,4-Dichlorobenzene, ug/kg dw	<5.0	---	---	JFB
Dichlorodifluoromethane, ug/kg dw	<5.0	---	---	JFB
1,1-Dichloroethane, ug/kg dw	<5.0	---	---	JFB
1,2-Dichloroethane, ug/kg dw	<5.0	---	---	JFB
1,1-Dichloroethylene, ug/kg dw	<5.0	112 %	3.6 %	JFB
cis-1,2-Dichloroethylene, ug/kg dw	<5.0	---	---	JFB
trans-1,2-Dichloroethylene, ug/kg dw	<5.0	---	---	JFB
1,2-Dichloropropane, ug/kg dw	<5.0	---	---	JFB
cis-1,3-Dichloropropene, ug/kg dw	<5.0	---	---	JFB
trans-1,3-Dichloropropene, ug/kg dw	<5.0	---	---	JFB

LOG NO: B1-53003
Received: 10 SEP 01
Reported: 21 SEP 01

Mr. Robert Dorey
Tampa Electric Company
5010 Causeway Blvd.
Tampa, FL 33619

Project: WD01-164
Sampled By: Client
Code: 141310921

REPORT OF RESULTS


Page 4

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED		
53003-2	Method Blank			
53003-3	Accuracy (%Rec)			
53003-4	Precision (%RPD)			
53003-5	Analyst Initials			
PARAMETER	53003-2	53003-3	53003-4	53003-5
Ethylbenzene, ug/kg dw	<5.0	---	---	JFB
Methylene Chloride, ug/kg dw	<10	---	---	JFB
1,1,2,2-Tetrachloroethane, ug/kg dw	<5.0	---	---	JFB
Tetrachloroethylene, ug/kg dw	<5.0	---	---	JFB
Toluene, ug/kg dw	<5.0	88 %	0 %	JFB
1,1,1-Trichloroethane, ug/kg dw	<5.0	---	---	JFB
1,1,2-Trichloroethane, ug/kg dw	<5.0	---	---	JFB
Trichloroethylene, ug/kg dw	<5.0	102 %	3.9 %	JFB
Trichlorofluoromethane, ug/kg dw	<5.0	---	---	JFB
Vinyl Chloride, ug/kg dw	<5.0	---	---	JFB
o-Xylene, ug/kg dw	<5.0	---	---	JFB
m&p-Xylene, ug/kg dw	<5.0	---	---	JFB
2-Chloroethylvinyl Ether, ug/kg dw	<50	---	---	JFB
Methyl Tert Butyl Ether (MTBE), ug/kg dw	<50	---	---	JFB
Analysis Date	09.13.01	09.13.01	---	---

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.

Method: EPA SW-846, FDEP

DOH Certification #'s: E84282


Michael F. Valder, Project Manager



Stay Clear... Stay Safe
Stay Alive



C.O.C. FIRE EXTINGUISHERS SERVICED 4/8/02
4/9/02

FACILITIES DONE (2) Removed

Garage DONE (13) Removed

meter Dept DONE (0)

meter Dept Vehicles DONE (0)

Material Recovery DONE (7) Removed

Standards C West DONE (3) Removed

ENGINEERING C CTR. DONE (0)

SUB STATION Bld C EAST DONE (2) Removed

Bld D DONE (1) Removed

Bld J DONE (0)

Stores DONE (0)

Safety is no accident

CANDY
1-800-282-8881
Utility Locator Service

TAMPA ELECTRIC COMPANY
1-800-282-4887
Emergency Service

P.01

APR-08-2002 12:14

County Fire: 621-6094
Eddie Hyman

P.O. 81574



#5





Stay Clear... Stay Safe
Stay Alive



SUB STATION

BLDG K DONE need (1) New

BLDG L DONE need (1) New

FACILITIES

BLDG M + MS DONE

BLDG N DONE (1) Removed

Guard Shack DONE (1) Removed

SPARES FOR VEHICLES ALL REMOVED
 From Parts Room

14
~~14~~ Total

Safety is no accident

CANDY
 1-800-282-8881

TAMPA ELECTRIC COMPANY
 1-800-282-4887

P. 02

IDEM - Office of Land Quality
Hazardous Waste Handlers - Sorted by County

RCRA ID	Handler Name	Location Address	City	Zip	Phone	<u>GEN</u> (type/status)	<u>TRN</u>	<u>TSD</u>
County: Marion								
IND093219012	HERITAGE ENVIRONMENTAL SERVICES LLC	7901 W Morris St	Indianapolis	46231	317-486-2722	1 / A	/	X / A
INR000012385	HERITAGE ENVIRONMENTAL SVC INC	1175 Western Drive	Indianapolis	46241	317-486-2795	/ 7	/	/
INR000003418	HERITAGE RESEARCH GROUP	7901 W Morris St, Ste H	Indianapolis	46231	317-872-6010	2 / A	/	/
IND058484114	HERITAGE TRANSPORT LLC	1626 Research Way	Indianapolis	46231	317-486-2789	/	C / A	/
INR000000919	HERITAGE TRANSPORT LLC	1626 Research Way	Indianapolis	46231	317-486-2789	3 / A	/	/
INR000006536	HERITAGE-CRYSTAL CLEAN LLC	3970 W 10th St Ste A	Indianapolis	46222	317-486-2770	1 / A	C / A	/
IND984972315	HERMAN & CO	1100 E Maryland	Indianapolis	46202	317-269-2180	3 / A	/	/
INR000007690	HEWLETT PACKARD INDPLS SALES	201 W 103rd St, Ste 100	Indianapolis	46290	630-245-3610	3 / A	/	/
IND981955859	HH SUMCO INC	1351 S Girls School Rd	Indianapolis	46231	317-241-7600	1 / A	/	/
IND985099837	HI TECH FINISHING	3137 N Ritter Ave	Indianapolis	46218	317-546-5639	/ 7	/	/
IND056101769	HIGH VOLTAGE MAINTENANCE CORP	5230 Commerce Circle	Indianapolis	46237-9746		/ 6	/	/
IND006068985	HILL & GRIFFITH CO	3637 Farnsworth Ave	Indianapolis	46241	317-241-9233	2 / A	/	/
IND984913723	HILLS CRACKED BLOCK SVC	5610 Dividend Dr	Indianapolis	46241	317-241-1233	/ D	/	/
IND984880146	HILLS STORES CO	6650 W Washington St	Indianapolis	46241	412-378-0511	/ 7	/	/
IND053731832	HILLTOP PRESS INC	624 E Walnut St	Indianapolis	46204	317-634-4700	2 / A	/	/
IND006065536	HITTLE MACHINE & TOOL CO INC	2122 Dr Martin L King Jr St	Indianapolis	46202	317-926-4594	3 / A	/	/
IND984958777	HOBBS CERTICARE AUTOMOTIVE	46 S Post Rd	Indianapolis	46219	317-898-0644	2 / A	/	/
INR000024596	HOFFERS GLASMONT	4635 W 85th St	Indianapolis	46268	317-876-1155	3 / A	/	/
INR000005629	HOGAN RACING	109b Gasoline Alley	Indianapolis	46222	317-244-2674	/ 7	/	/
IND006413108	HOLCOMB & HOKE MFG COMPANY INC	1545 Van Buren St	Indianapolis	46203	317-784-2444	/ 6	/	/
IND984877209	HOLD THE	7151 E 86th St	Indianapolis	46250	317-573-6906	/ 6	/	/
IND094467586	HONDA WEST	4701 W 38th St	Indianapolis	46254	317-299-3551	2 / A	/	/
IND052953114	HONEYCOMB PRODUCTS INC	405 W Raymond St	Indianapolis	46225	317-787-9351	3 / A	/	/
IND984959999	HOOSIER AIRCRAFT ACC INC	1919 S Girls School Rd	Indianapolis	46241	317-244-7264	/ 7	/	/
IND984875575	HOOSIER BODY & GLASS	3101 N Ritter	Indianapolis	46218	317-547-5047	/ D	/	/
IND046386348	HOOSIER EQUIPMENT SERVICE INC	320 S College Ave	Indianapolis	46204	317-631-5000	/ 7	/	/
IND984874859	HOOSIER EQUIPMENT SERVICE INC	8014 W Thompson Rd	Indianapolis	46241	317-631-5000	2 / A	X / A	/
IND016415366	HOOSIER IMPORTS	3401 N Sherman Dr	Indianapolis	46218	317-547-3561	/ D	/	/
IND006414395	HOOSIER INC THE	1701 E 38th St	Indianapolis	46218	317/926-2434	/ 7	/	/
IND016415374	HOOSIER MACHINE & WELDING	451 S Arbor Ave	Indianapolis	46221	638-6286	3 / A	/	/
IND016402182	HOOSIER PENN OIL CO INC	850 S Keystone	Indianapolis	46203	317/631-5406	3 / A	/	/
IND982426983	HOOSIER PENN OIL CO INC	4060 W Tenth St	Indianapolis	46222	317-390-5406	3 / A	/	/
IND075982975	HOOSIER WOOD PRESERVERS INC	3605 Farnsworth	Indianapolis	46241	317-247-6206	2 / A	/	/ 5
IND016415655	HORNER ELECTRIC INC	1521 E Washington St	Indianapolis	46201	317-639-4261	2 / A	/	/
INR000103275	HOWARD'S BODY SHOP	2039 E Minnesota St	Indianapolis	46203	317-786-5589	2 / A	/	/
IND984877670	HOYT MACHINE CO	1925 Massachusetts Ave	Indianapolis	46218	317-638-5400	2 / A	/	/
IND016411746	HP PRODUCTS	4220 Saguaro Trail	Indianapolis	46268	317-298-9950	/ 6	/	/

Honey, Kelly

From: Honey, Kelly
Sent: Friday, April 05, 2002 1:17 PM
To: 'bjmorgan@tecoenergy.com'
Cc: Dregne, James
Subject: Questions raised during the inspection

Beverly:

I have most of the answers to the questions you and Therese had during my inspection last week.

Therese wanted to know if TECO-COC could still accept haz waste from TECO's CESQG facilities if its status was SQG instead of LQG. The answer is yes, as an SQG, TECO can still accept the CESQG waste from other TECO owned facilities. I think she just wanted to know out of general interest because you said during the inspection that TECO-COC intends to retain its LQG status. If this is not true, let me know.

The "junk oil" from the transformers is used oil as defined in 40 CFR 279 and is therefore subject to regulation (unless it contains PCB). All the containers and tanks that are labeled "junk oil" need to be relabeled as "used oil".

Regarding the used oil filters disposed of in the dumpster. I asked about the 10% oily waste rule you mentioned (i.e., as long as there are no free liquids, oily waste can be put in the dumpster provided it does not exceed 10% of the dumpster contents). We are unaware of this rule. Also, technically, used oil filters are not oily waste, they are used oil filters (see Section 62-710.850, FAC). Oily wastes as defined in 62-701.200(76), FAC, means "those materials which are mixed with used oil and have become separated from that used oil. Oily wastes also means materials, including wastewaters, centrifuge solids, filter residues or sludges, bottom sediments, tank bottoms, and sorbents which have come into contact with, and have been contaminated by, used oil and may be appropriately tested and discarded in a manner which is in compliance with other state and local requirements." You will need to obtain permission in writing from the disposal facility to dispose of used oil filters in this manner. I believe TECO is putting all these wastes into the dumpster destined for the incinerator. Please correct me if I am wrong about this, and please let me know at which facility the waste is incinerated.

I think that covers all the questions you had. If I left one out, let me know.

Regarding documentation still needing to be provided by TECO, I need a copy of TECO-COC's current contingency plan and arrangements with local authorities, as well as the used oil receipts from IPC. Please also send me something indicating that the fire extinguishers have been certified. I need a copy of the waste profile/analytical results for the oil/water separator sludge that was handled as nonhazardous waste, and when Willie has produced a few weekly inspection logs using the new form, I will also need a copies of those. Finally, please email or send some photos of the relabeled junk oil containers.

Call me if you have any questions.

Thanks,
Kelly Honey
RCRA / Division of Waste Management
813/744-6100 (SunCom 512-1042), ext. 369

WEEKLY INSPECTION SHEET

Time: 10:00 am

Date: 2/26/03

Name (Print): Rhodie

Signature: [Signature]

PCB Adjacent Storage Area

PCB/Wastes In Storage?	Equipment/Container Labeled?	Equipment/Container Free of Leaks?	
Yes or No	Yes or No	Yes or No	Comments
yes	yes	yes	

PCB Permanent Storage Area

Doors Shut?	Emergency Response Equipment Ready?	Spill Kit Complete?	PCB Waste in Storage?	Equipment/Container labeled?	Equipment/Container Free of Leaks?
Yes or No	Yes or No	Yes or No	Yes or No	Yes or No	Yes or No
yes	yes	yes	yes	yes	yes

Hazardous Waste 90-Day Storage Area

Any Non-Hazardous Waste in Storage Area?	How Many Containers of Non-Hazardous Waste?	Emergency Equipment Ready & Clear?	Hazardous Waste in Storage?	Containers Labeled?	Containers Free of Leaks?
Yes or No		Yes or No	Yes or No	Yes or No	Yes or No
no	n/a	yes	yes	yes	yes

Start your job search:

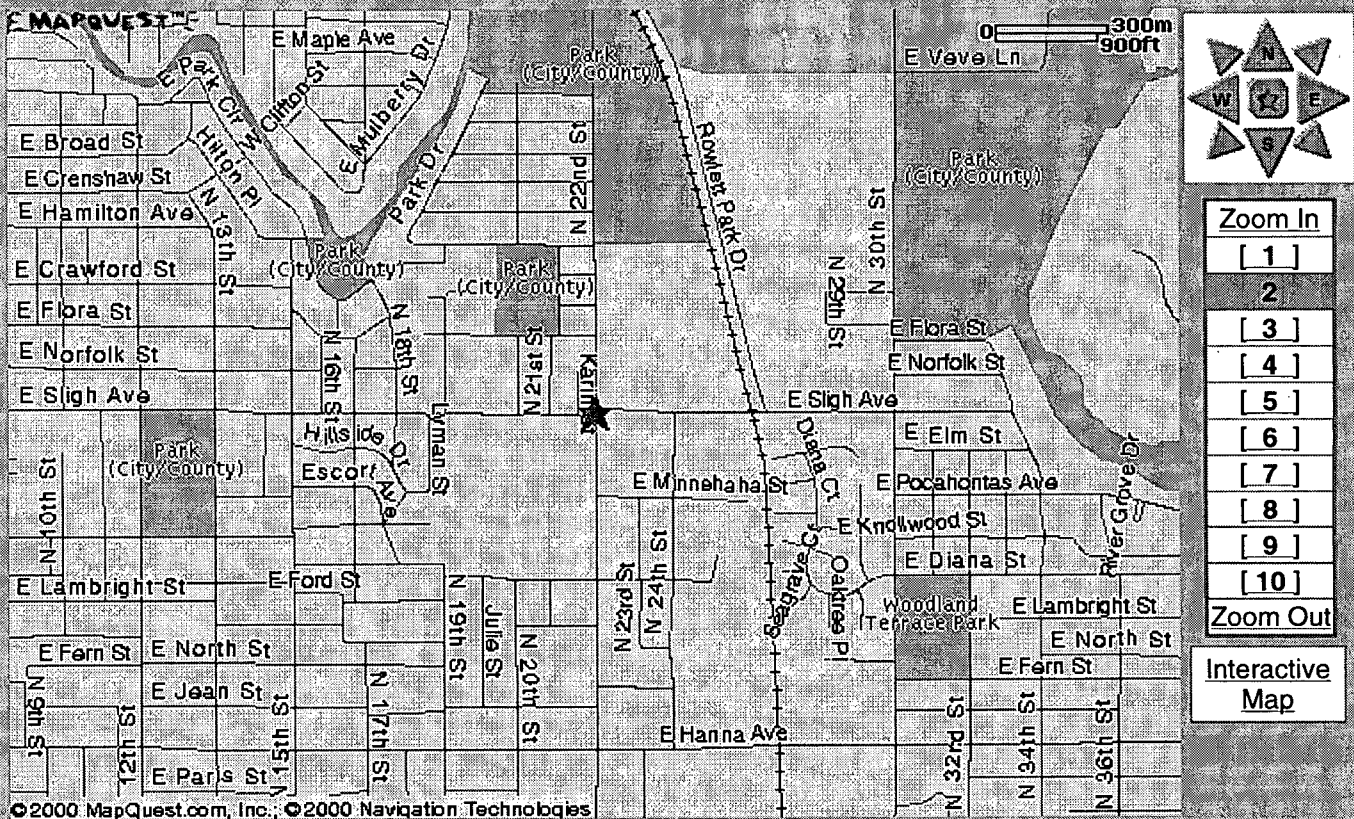
--Select State--

Welcome, Guest User

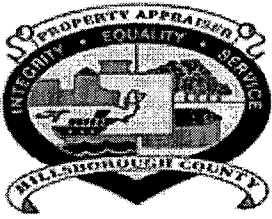
[Create My Locations - Sign In](#)

Yahoo! Maps

★ 2200 sligh ave, Tampa, FL 33610-1334

[Save This Address](#)


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Internet Site

ROB TURNER, CFA
Hillsborough County
Property Appraiser
Online Inquiry System

You cannot bookmark this page. These results were retrieved from a database - your browser will not read it correctly the next time it is opened. Please print the information you have obtained for your records.

Owner Name
Street Address
PIN Number
Folio Number

Results of Query for Site Address "Sligh"

Address	Parcel Id	Owner Name	City	Zip Code
1 2200 E SLIGH	A-29-28-19-ZZZ-000005-60980.0	TAMPA ELECTRIC CO	Tampa	

28 00 42
82 26 04

5-7-02
2:00p

COMET-Hazardous Waste Applications - Handler Information

EPA ID	FL0981477904	Site ID	36990	Previous EPA ID	
Handler Name	TAMPA ELECTRIC CO CENTRAL OP		Land Type	P	Non-Notifier
District	SWD	Access		Access Date	
				Notif Date	07/15/1986
Site Name	TAMPA ELECTRIC CO CENTRAL OP				
Directions					
Address	22ND ST AND SLIGH AVE		County	29 HILLSBOROUGH	
City	TAMPA	State	FL	Zip	33601 - 0
Mail Address	PO BOX 111				
City	TAMPA	State	FL	Zip	33601 - 0
Feature		Method *	ADDM	Datum	Date 07/15/1986
Coordinates	Latitude	Degrees *	27	Minutes *	38
		Seconds *	38.0000		
	Longitude	Degrees *	82	Minutes *	38
		Seconds *	09.0000		
Comments					

1/6

Betts can I pls get
an exp file for this facility?

— K

HAZARDOUS WASTE - ACTIVITIES

Generator ☒ LQG ☐ SQG ☐ CES ☐ NHR ☐ Closed*Transporter ☐TSD ☐ Treater ☐ Storer ☐ Disposer*Used Oil ☐Recycler ☐ Commercial ☐ Non-Commercial*HW Fuel ☐UIC ☐*OTHER ☐*CORR ☐

* Denotes detail screen

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Comments