

# Department of Environmental Protection

Jeb Bush Governor Central District 3319 Maguire Boulevard, Suite 232 Orlando, Florida 32803-3767

David B. Struhs Secretary

January 22, 2003

<u>CERTIFIED MAIL</u> 7001 2510 0002 4340 9527

Mr. Bob Ahmadi Photographic Waste Control 1943 High Street Longwood, Florida 32750 OCD-HW-C-03-0026

Seminole County - HW Photographic Waste Control

Dear Mr. Ahmadi:

A hazardous waste compliance inspection was conducted at your facility on August 7, 2002. This inspection was conducted under the authority of Section 403.091, Florida Statutes, and Chapter 403, Part IV, Florida Statutes. The inspection is designed to ascertain the compliance status of your facility with 40 CFR 260-268, adopted in Florida Administrative Code Chapter 62-730. The attached RCRA Compliance Inspection Report, indicates that at this time the hazardous waste classification of your facility is a hazardous waste transporter, transfer facility, and small quantity generator and is in compliance.

If you have any questions, please contact me, at (407) 893-3323.

Sincerely,

William Kappler / Environmental Specialist

Hazardous Waste

WK

Enclosure:

RCRA Inspection Report



# Department of Environmental Protection

Jeb Bush Governor Central District 3319 Maguire Boulevard, Suite 232 Orlando, Florida 32803-3767

David B. Struhs Secretary

## **HAZARDOUS WASTE INSPECTION REPORT**

1.	INSPECTION TYPE: Routine Complaint Follow-Up Permitting Pre-Arranged								
	FACILITY NAME Photographic Waste Control EPA ID# FLD984229609								
	STREET ADDRESS 1943 High Street, Longwood, Florida 32750								
	MAILING ADDRESS 1943 High Street, Longwood, Florida 32750								
	COUNTY Seminole PHONE (407) 328-9651 DATE 8/7/02 TIME 10:11am								
	NOTIFIED AS: N/A CURRENT STATUS:								
	□ Non Handler       □ Non Handler         □ CESQG (<100 kg/mo.)								
2.	APPLICABLE REGULATIONS:            □ 40 CFR 261.5								
3.	RESPONSIBLE OFFICIAL(s):								
	Bob Ahmadi, CEO								
4.	INSPECTION PARTICIPANTS:  William Kappler, FDEP  Nancy McKee, FDEP  Danielle Spear, Seminole County  Barbara Simboli, Photographic Waste  Bob Ahmadi, Photographic Waste								
5.	LATITUDE/LONGITUDE:								
6.	SIC Code: 7384								
7.	TYPE OF OWNERSHIP: Private Federal State County Municipal								
8.	PERMIT #: N/A ISSUE DATE: EXP. DATE:								

Photographic Waste Control Page 2

#### 9. INTRODUCTION

On August 7, 2002, William Kappler and Nancy McKee (inspectors) of the Florida Department of Environmental Protection (FDEP) and Danielle Spear of Seminole County inspected Photographic Waste Control (PWC) for compliance with hazardous waste rules and regulations. Bob Ahmadi and Barbara Simboli accompanied inspectors.

The facility is located at 1943 High Street, Longwood, Seminole County, Florida. PWC employs 4 people. Sanitary sewer and potable water services is provided by the City of Longwood. PWC notified as a small quantity generator, transporter, and transfer facility on January 8, 1992.

## 10. INSPECTION HISTORY

PWC was last inspected on June 20, 1995. The facility was cited for not performing a waste determination on waste sludge and liquid generated by the Licon, 40 CFR 262.11.

Additionally the Department recommended that the facility maintain a written record on all hazardous waste entering and leaving the facility, 62-730.171(2)(e).

### 11. PROCESS DESCRIPTION

Photographic Waste Control is a hazardous waste transporter and transfer facility which services small businesses generating waste photographic chemicals and related materials.

Waste photographic fixer, developer, toner, spent photo-processing chemicals, and waste inks are transported from generator locations to the transfer facility, which also houses the silver recovery operation.

Spent photographic fixer containers are emptied into one 500-gallon above ground tank and photographic developer into a second 500-gallon above ground tank. The spent fixer, which contains silver, is processed through Mark 26 recovery columns to remove the silver. The processed fixer waste then accumulates in a 500-gallon holding tank. The processed fixer is laboratory tested one time per month. Generally the test results show a silver concentration of 1 to 3 mg/L.

PWC no longer uses the Licon vacuum evaporator. Use of the vacuum evaporator was discontinued in March 1997.

#### 12. INSPECTION

Inspection of the spent photographic waste area found numerous containers accumulating prior to treatment. Inspectors observed 19 55-gallon drums of spent fixer, 28 five-gallon containers of spent fixer, three 10-gallon containers of spent fixer, and one 20-gallon container of spent fixer. The containers are labeled as hazardous waste, marked with the name of the facility generating the waste, and with the D011 waste code. Inspectors also observed three 5-gallon containers of spent developer possibly contaminated with fixer. PWC is waiting for the laboratory report on samples obtained from the containers.

Inspection of the hazardous waste drum area found one 55-gallon drum of waste corrosive liquid (D002), three 55-gallon drums of waste flammable liquid (D001), one 55-gallon drum of nonhazardous waste ink, and one 55-gallon drum of nonhazardous waste U.V. coating solution.

Photographic Waste Control Page 3

The drums are labeled as hazardous waste, closed, and marked with the dates in July or August 2002.

Inspectors observed containers of used oil not marked or labeled as used oil, 40 CFR 279.22(c)(1). Containers used to store used oil at generator facilities must be labeled or marked clearly as used oil. Label or mark all containers of used oil with the words "used oil".

Inspectors also observed nine 55-gallon drum of treated fixer and spent developer accumulating prior to off-site shipment.

#### Waste Management

PWC manages waste fixer and waste developer in containers for processing in its filtration system for silver reclamation.

PCW transports wastewater generated from silver reclamation operations and spent developer to IWS (FLD984229609) located in Jacksonville, Florida. The wastewater and developer is transported in a 4800-gallon tanker.

Petrotech Southeast (FLD982108136) transports used oil and oily water for reclamation.

Mercury lamps and alkaline batteries are shipped to AERC (FLD984262782) located in Melbourne, Florida.

Hazardous waste is transported by PWC to Perma-Fix (FLD980711071) located in Gainsville, Florida.

PWC also uses Freehold Cartage, Inc (NJD054126164) to transport hazardous waste.

#### Record Review

#### Manifests

Inspectors reviewed 12 manifests from March 2001 to August 2002.

PWC did not keep a copy of each manifest signed in accordance with 40 CFR 262.23(a) for three years or until the facility received a signed copy from the designated facility which received the waste. PWC did not retain several signed manifests from the TSDF that accepted the waste, 40 CFR 262.40(a).

Waste Analysis

Inspectors reviewed the most recent waste analysis report dated July 26, 2002 for fixer wastewater. The laboratory report results showed a total silver concentration of 2380 ug/L and 1380 ug/L on wastewater shipped to IWS.

Contingency Plan

PWC has a Contingency Plan and updated the plan during the first quarter of 2001. Mr. Bob

Photographic Waste Control Page 4

Ahmadi is the primary emergency coordinator. PWC personnel explained to inspectors that the Contingency Plan was hand delivered to the local authorities.

Arrangements with Local Authorities

PWC's contingency plan described the arrangements with local authorities, <u>however the</u> arrangements were not documented, 40 CFR 265.37.

Weekly Written Inspection Logs

PWC visually inspects drums of hazardous waste daily. The inspections are not documented, 62-730.160(6), FAC.

**Personnel Training Records** 

PWC personnel are given a 40 hour course in Hazardous Waste Operations and Emergency Response (29 CFR 1910.120). The course is presented by Perma-Fix of Florida.

Bob Ahmadi, Barbara Simboli, Robert Santiago, Scott Johnson, and John Nicolosi were trained on October 12, 2001. Additional training certificates were reviewed for personnel training in 2000 and 1999.

## Closure Plan

PWC has a written closure plan to close the transfer facility. The plan appeared satisfactory.

Transfer Facility Written Record

PWC did not maintain a written record of when all hazardous waste enters and leaves the facility, 62-730.171(2)(e), FAC.

Review of the PWC's transporter insurance and transfer facility notification paperwork found no violations.

#### Land Ban

PWC generates corrosive and toxic characteristic hazardous waste and listed hazardous waste that are restricted from land disposal.

# 13. SUMMARY OF POTENTIAL NONCOMPLIANCE ITEM & CORRECTIVE ACTION

a. Regulation: 40 CFR 262.40(a) - Manifest

A generator must keep a copy of each manifest signed in accordance with 40 CFR 262.23(a) for three years or until he receives a signed copy from the designated facility which received the waste. This signed copy must be retained as a record for at least three years from the date the waste was accepted by the initial transporter. PWC did not obtain several signed manifests from the TSDF that accepted the waste.

Corrective Action: Contact the TSDF and obtain the signed manifests.

Photographic Waste Control Page 5

b. Regulation: 40 CFR 265.37 - Preparedness and Prevention

The generator must attempt to make arrangements to familiarize police, fire departments, hospitals, and emergency response teams with characteristics of the facility. PWC did not document the arrangements made with the local authorities.

<u>Corrective Action:</u> *PWC submitted written information dated August 16 and 22, 2002 they made arrangements with the local authorities.* 

c. Regulation: 62.730.160(6), FAC - Weekly Inspections

Generators of hazardous waste who accumulate hazardous waste on-site under 40 CFR 262.34, shall maintain written documentation of the inspections required under 40 CFR Part 265.

<u>Corrective Action</u>: PWC submitted written information dated August 16, 2002 they are documenting inspections.

d. Regulation: 62.730.171(2)(e), FAC - Transfer Facility Written Record

The owner/operator of a transfer facility shall maintain a written record of when all hazardous waste enters and leaves the facility.

<u>Corrective Action</u>: *PWC submitted written information dated August 7 and 8, 2002 they have established and are maintaining a written record.* 

#### Recommendation

1. Drums picked up from CESQG's should have the name and other identifying information of the generator on the drum label. This will allow the facility to identify the generator if a problem should be found with a container or the waste.

#### 14. CONCLUSION

PWC was inspected as a small quantity generator of hazardous waste, transporter, and transfer facility and was not in compliance at the time of the inspection. Corrective action documentation submitted subsequent to the inspection is satisfactory and is in compliance.

Report Prepared By:

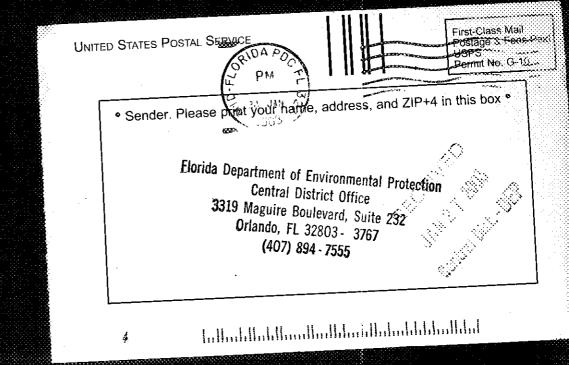
William Kappler

**Environmental Specialist** 

Date: 1/22/03

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Mr William Kappler

Fax - 407 893 3167

From

Barbara

Photocochaphic Waste Control

Phone 407-328-9651 FX 407 328 7158

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Sent By: P.W.C.;

PHOTOGRAPHIC WASTE CONTROL, INC. 1943 HIGH STREET LONGWOOD FL 32750 FAX 407-328-7158 PILONE 880-582-4833

Aug-16-02 13:28;

# facsimile transmittal

TO ATTENTION: WILLIAM KAPPLER 407-893-3167

FR DATE: BARBARA AUGUST, 2002 'RE PAGES

MR. KAPPLER,

HERE ARE THE PAPERS YOU REQUIRE. (TRAINING CERTIFICATES FOR 1999 & 200, DRUM INSPECTION LOG, AND SIGNED RECEIPTS FOR **CONTINGENCY PLAN)** 

TALLAHASSEE DID NOT WANT A COPY OF OUR CLOSURE PLAN (MR. RICHARD NEVES)-- "THEY WOULDN'T KNOW WHAT TO DO WITH IT", THA'S WHAT HE TOLD ME. HE SAID HE WOULD CALL YOU.

IS THIS EVERYTHING YOU NEED? CALL ME IF THERE ARE ANY PROBLEMS OR CONCERNS. (407-328-9651)

THANK YOU,

BARBARA



# Photographic Waste Control, Inc.

Protecting You and the Environment

PHOTOGRAPHIC WASTE CONTROL, INC. 1943 HIGH STREET LONGWOOD, FL 32750

# CONTINGENCY PLAN SUBMITTAL

RECEIVED A COPY OF THE CONTINGENCY PLAN FOR PHOTOGRAPHIC WASTE CONTROL, INC. LOCATED AT 1943 HIGH STREET, LONGWOOD, FLORIDA 32750.

FURTHER, THIS ORGANIZATION AGREES TO RESPOND TO, OR ASSIST IN, EMERGENCY SITUATIONS WHICH MAY ARISE AT THE SUBJECT FACILITY SHOULD THE NEED ARISE.

SIGNATURE: (S) Sauce

TITLE: 5/W

ORGANIZATION: Sand Genta Salay Mark

CHECK THIS BOX, IF THE ORGANIZATION WILL ACKNOWLEDGE RECEIPT OF THE CONTINGENCY PLAN, BUT WILL NOT AGREE TO PROVIDE EMERGENCY RESPONSE SERVICES TO THE FACILITY.

NOTE: CONTINGENCY PLAN SUBMITTALS AND COORDINATION AGREEMENTS ARE REQUIRED IN ORDER TO DOCUMENT PHOTOGRAPHIC WASTE CONTROL, INC.'S COMPLIANCE WITH 40 CFR 264.37. WHERE STATE OR LOCAL AUTHORITIES OR ORGANIZATIONS DECLINE TO ENTER INTO EMERGENCY RESPONSE AGREEMENTS OR ARRANGEMENTS, THE FACILITY OWNER MUST DOCUMENT THE REPUSAL WITHIN THE FACILITY'S OPERATING RECORD

Contingency Plan Sent to these

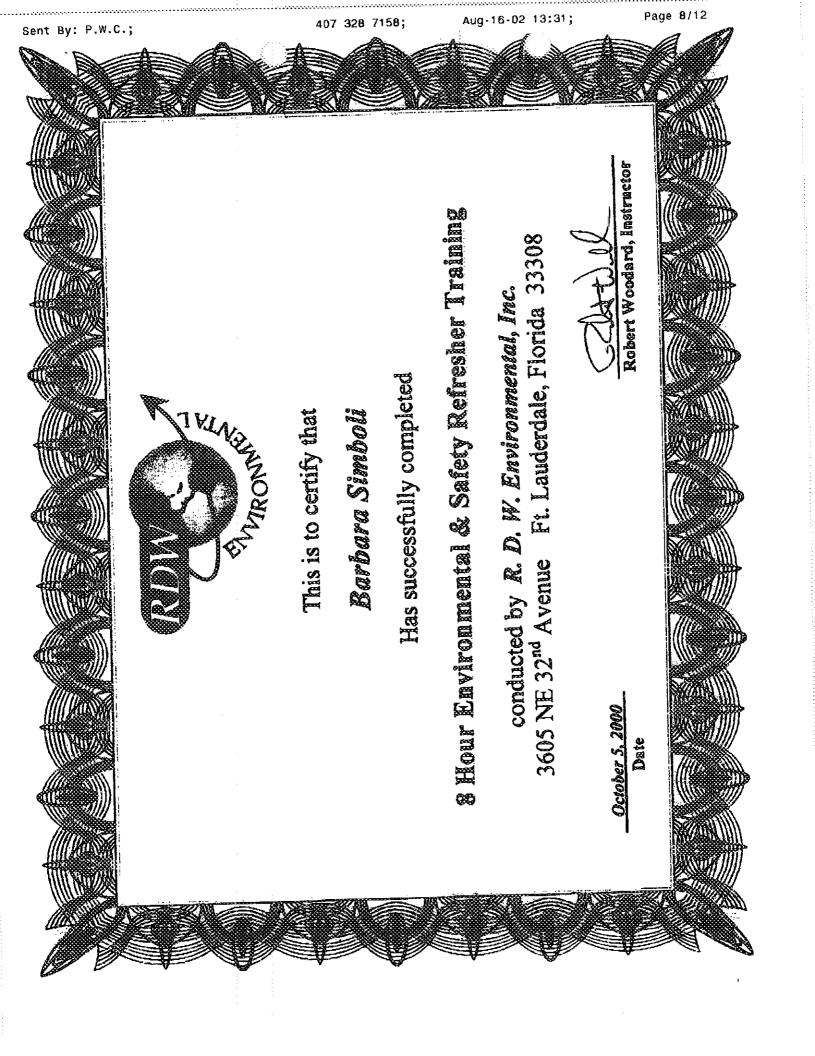
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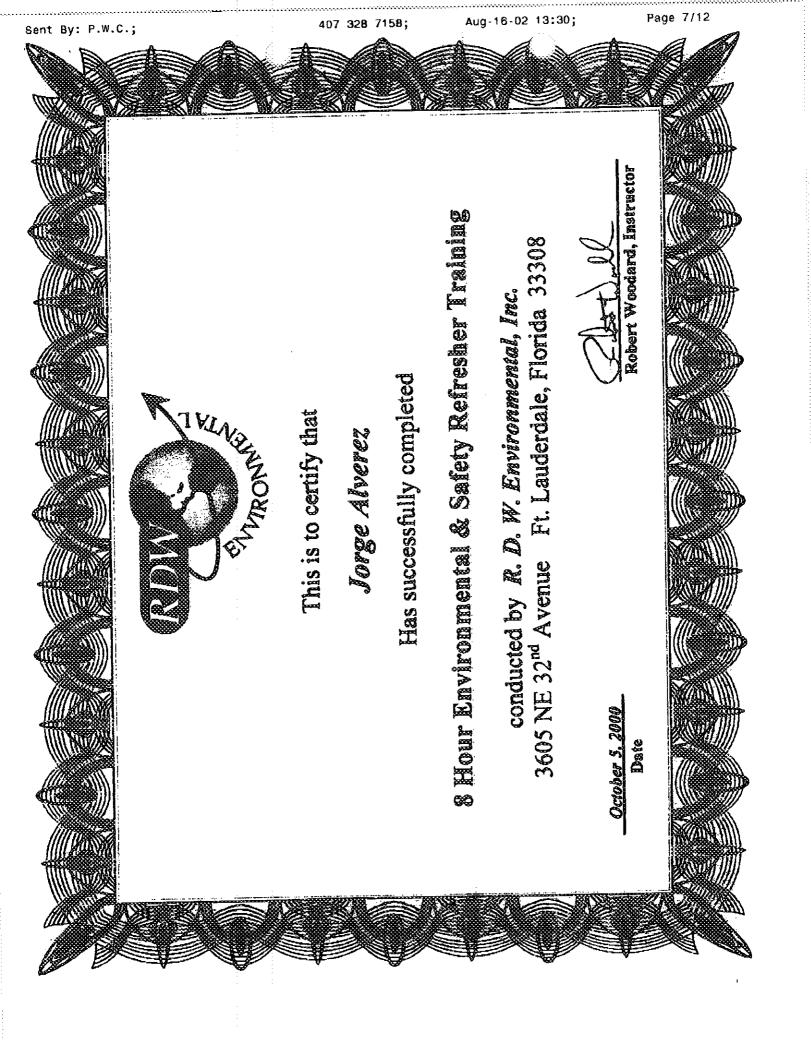
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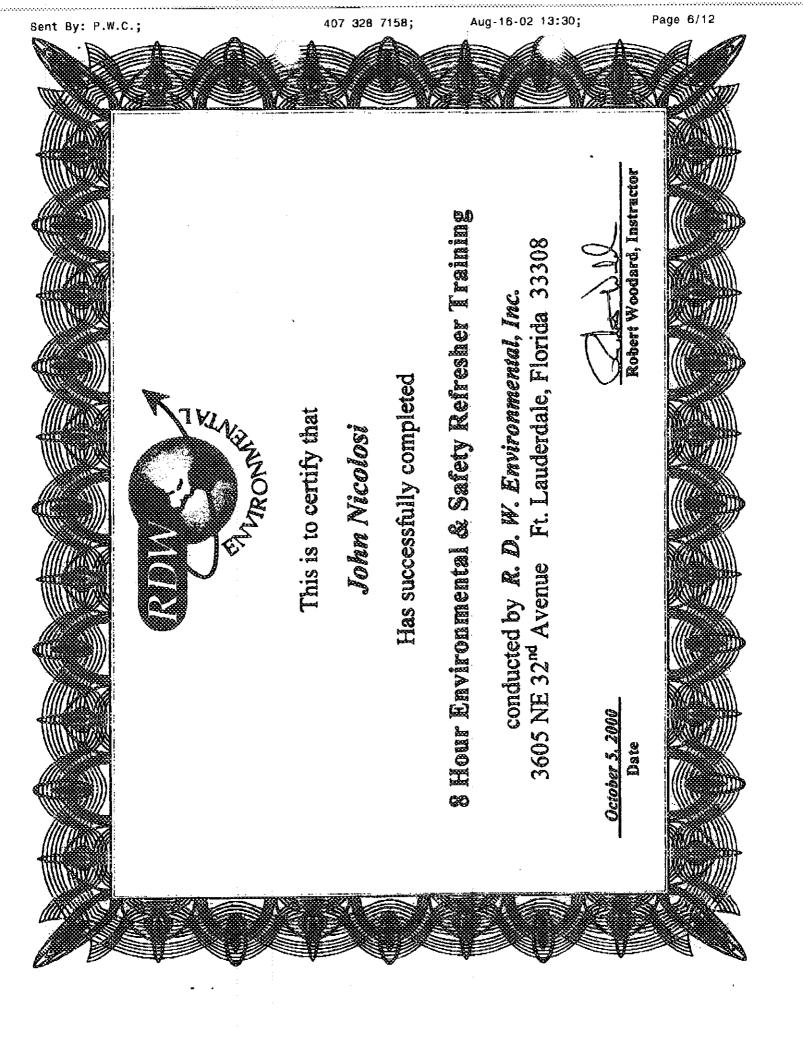
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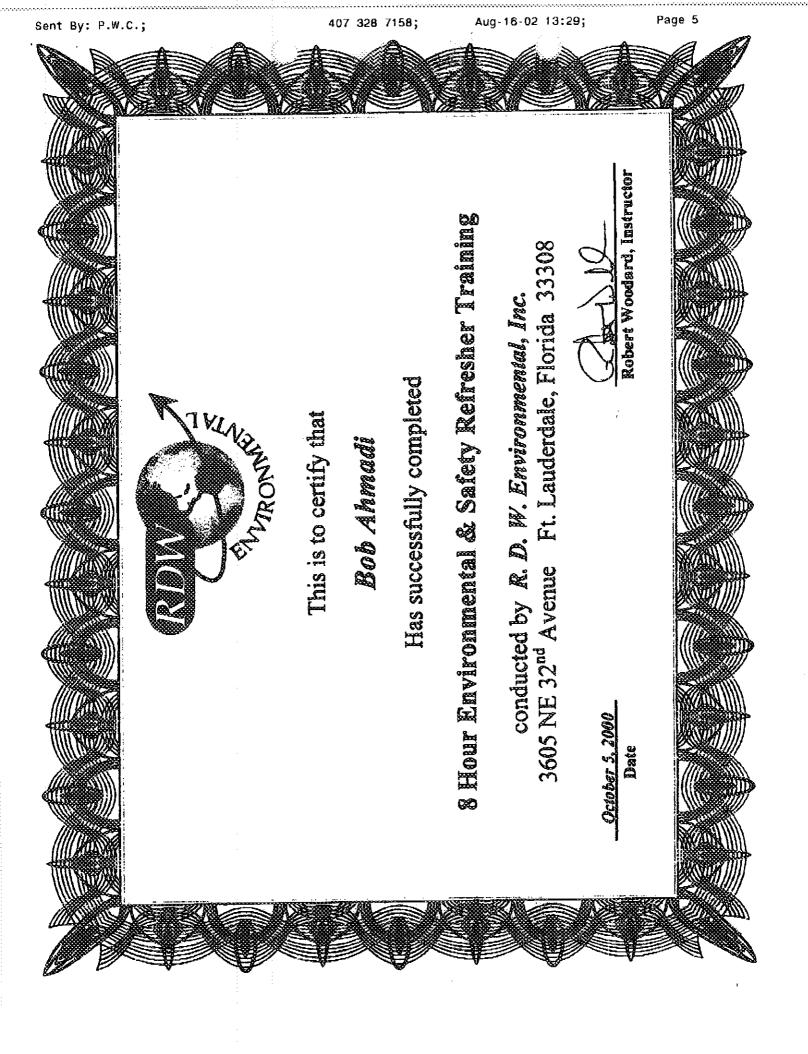
CONTAINER

WEEKLY INSPECTION LOG Number of Containers: Accumulation Area Inspected: Yes\_L/ Are all containers in good condition? Yes\_ Is there any evidence of leaks or spills? Are all containers labeled "Hazardous Waste"? Are all containers marked with an accumulation start date? Are all containers closed? Is there adequate aisle space between rows of drums? Is spill control equipment available? Observations:\_ (If containers in poor condition or leaks/spills were found, please note action taken in area below) Repairs or Remedial Action









This is to certify that

Bob Ahmadi Photographic Waste Control, Inc.

Has successfully attended the

R. D. W. Environmental

8 Hour Environmental & Safety Refresher Training

Aug-16-02 13:29;

Page 1/2

PHOTOGRAPHIC WASTE CONTROL, INC. 1943 HIGH STREET LONGWOOD FL 32750 FAX 407-328-7158 PHONE 880-582-4833

# facsimile transmittal

TO

ATTENTION: William Kappler

407-893-3167

@ D. E. P.

FR

BARBARA

DATE:

AUGUST, 2002

·RE

PAGES

Mr. Kappler,

Will the following form be acceptable for logging material coming in and going out of this location? Please advice. The data is "make believe"; just included for effect.

Thank you,

BARBARA (407-328-9651)

Sent By: P.W.		407 328 7158	; Aug-8-02 15:57;	Page 2/2
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Aug-7-02 14:51;

Page 1/2

PHOTOGRAPHIC WASTE CONTROL, INC. 1943 HIGH STREET LONGWOOD FL 32750 FAX 407-328-7156 PHONE 889-582-4833

# facsimile transmittal

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ATTENTION: William Kappler

407-893-3167

@ D. E. P.

FR

BARBARA

DATE:

AUGUST, 2002

`RE

PAGES

Mr. Kappler,

Will the following form be acceptable for logging material coming in and going out of this location? Please advice. The data is "make believe"; just included for effect.

Thank you,

BARBARA (407-328-9651)

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Aug-7-02 14:52;

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## **CLOSURE**

- 1. PWCI SHALL CLOSE THE FACILITY, LOCATED AT 1943 HIGH STREET, LONGWOOD, FL 32750, IN ACCORDANCE WITH THE RULES AND REGULATIONS SET FORTH BY 40 CFR 264.111.
- 2. PWCI SHALL KEEP A COPY OF THE CLOSURE PLAN, AND ANY REVISIONS TO THE CLOSURE PLAN, UNTIL CLOSURE IS COMPLETED, AND THE DEPARTMENT ACCEPTS THE CLOSURE CERTIFICATE.
- 3. IN ACCORDANCE WITH 40 CFR 264.112 (d) (1), PWCI SHALL NOTIFY THE DEPARTMENT AT LEAST FORTY-FIVE (45) DAYS PRIOR TO THE DATE IT EXPECTS TO BEGIN CLOSURE OF IT'S LONGWOOD SITE.
- 4. WITHIN TEN (10) DAYS AFTER RECEIVING THE FINAL VOLUME OF HAZARDOUS WASTE, PWCI SHALL REMOVE FROM THE SITE ALL HAZARDOUS WASTE AND TRANSPORT TO FACILITIES IN FLORIDA FOR DISPOSAL.. THIS SHALL BE SPECIFIED IN THE CLOSURE PLAN AND DONE IN ACCORDANCE WITH 40 CFR 264.113 (3).
- 5. PWCI SHALL DECONTAMINATE AND / OR DISPOSE OF ALL FACILITY EQUIPMENT AS REQUIRED BY 40 CFR 264.114,264.178 264.197 AND THE CLOSURE PLAN.
- 6. WITHIN FIFTEEN (15) DAYS FROM THE COMPLETION OF CLOSURE, PWCI SHALL SUBMIT TO THE DEPARTMENT BY CERTIFIED MAIL OR HAND DELIVERY, A CERTIFICATE SIGNED BY PWCI, STATING THAT THE FACILITY HAS BEEN CLOSED IN ACCORDANCE WITH THE SPECIFICATIONS IN THE CLOSURE PLAN.
- 7. PWCI SHALL PROVIDE THE OPPORTUNITY FOR SITE INSPECTIONS BY THE DEPARTMENT, PRIOR TO AND DURING THE PHYSICAL CLOSURE ACTIVITIES.



FDEP-CENTRAL DISTALLE HAZARDOUS WASTE

- 8. PWCI SHALL SUBMIT AN APPLICATION TO MODIFY THE CLOSURE PLAN, IF UPON IMPLEMENTATION OF THE CLOSURE PLAN, IT IS DETERMINED THAT PWCI CANNOT PRACTICALLY MEET THE DEADLINE SET IN THE CLOSURE PLAN. PWCI SHALL NOTIFY THE DEPARTMENT WITHIN THIRTY (30) DAYS OF THAT DETERMINATION.
- 9. PWCI SHALL CONDUCT SAMPLING AND TESTING, BEFORE FINAL CLOSURE. THIS TESTING WILL BE CONDUCTED IN ACCORDANCE WITH THE RULES AND REGULATIONS SET UP BY THE EPA. THE RESULTS OF THE ANALYTICAL TESTS SHALL BE FORWARDED TO THE DEPARTMENT UPON RECEIPT.
- 10. PWCI WILL SUBMIT TO THE DEPARTMENT, A CERTIFICATE SIGNED BY PWCI, STATING THAT THE FACILITY HAS BEEN CLOSED IN ACCORDANCE WITH THE SPECIFICATIONS IN THE CLOSURE PLAN, PURSANT TO THE REQUIREMENT OF RULE 62-730.260 (6), F.A.C.

ID # FLD 984 229 609 1- 800-582-4833 407-328-9651

# PHOTOGRAPHIC WASTE CONTROL, INC. 1943 HIGH STREET LONGWOOD, FL 32750 HEADQUARTERS

# CONTINGENCY PLAN AND EMERGENCY PROCEDURES

FOR HAZARDOUS MATERIAL SPILLS



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**GENERAL INFORMATION** 

**CLOSURE PLAN** 

# PHOTOGRAPHIC WASTE CONTROL, INC.

## --- SPILL CONTINGENCY PLAN---

THIS DOCUMENT SHALL SERVE AS PHOTOGRAPHIC WASTE CONTROL'S HAZARDOUS MATERIAL SPILL CONTINGENCY PLAN.

SITE ADDRESS IS:

1943 HIGH STREET LONGWOOD, FL 32750

\*\*\* NEAREST CROSS STREET IS SR 419—HIGH STREET IS DIRECTLY ACROSS THE STREET FROM THE SEMINOLE COUNTY TRANSFER STATION (ON 419). \*\*\*

## SITE CONTACTS

SITE CONTACTS ARE TO BE NOTIFIED <u>IMMEDIATELY</u> IN THE EVENT OF A
HAZARDOUS MATERIAL SPILL. SITE CONTACTS ARE AVAILABLE 24 HOURS A
DAY FOR NOTIFICATION OF A SPILL AND WILL ASSIST THE CALLER WITH
PROPER ABATEMENT ACTIVITIES AND ADDITIONAL REPORTING
REQUIREMENTS, IF REQUIRED. THE SITE CONTACTS ARE:

## BOB AHMADI – SPILL CONTINGENCY ADMINISTRATOR CHIEF OPERATIONS OFFICER

177 PINE STREET LAKE MARY, FL 32746 HOME 407-322-8014 HOME -LINE 2 407-330-2443 MOBILE 407-592-3315

ROBERT SANTIAGO – WAREHOUSE SAFETY & ENVIRONMENTAL AFFAIRS 108 SPREADING OAK COURT SANFORD, FL 32773 HOME # 407-328-4971 MOBILE # - 407-227-1390

## BARBARA SIMBOLI – OFFICE ADMINISTRATOR

1030 N. WINTER PARK DRIVE CASSELBERRY, FL 32707 HOME # - 407-695-5953 2<sup>nd</sup> HOME # - 407-695-4901

# **EMERGENCY RESPONSES**

THIS SECTION OF THE CONTINGENCY PLAN IDENTIFIES OUTSIDE ORGANIZATIONS THAT ARE AVAILABLE FOR EMERGENCY RESPONSE SERVICES. THESE SERVICE AGENCIES AND ORGANIZATIONS ARE TO BE SUMMONED ONLY BY PHOTOGRAPHIC WASTE CONTROL EMERGENCY COORDINATOR OR HIS ALTERNATE.

\*\*\* SEMINOLE COUNTY EMERGENCY PERSONNEL SERVICE OUR LOCATION\*\*\*

\*\*FIRE STATION 35----407-665-5100\*\*

\*\*SHERIFF'S OFFICE (District Center # 3)-407-665-6650\*\*

IN CASE OF A	*SHERIFF'S OFFICE (District Center # 3)-4 THEN NOTIFY					
IN CASE OF A	Inennuiri	SIMULTANEOUS ACTIONS				
<ul> <li>FIRE OR EXPLOSION</li> <li>RELEASE OF HARMFUL</li> </ul>	CALL 911 SEMINOLE CO. EMERGENCIES STATION 35 201 W. COUNTY HOME RD SANFORD FL 32773 407-665-5100 CALL 911	EVACUATE FACILITY     TAKE ATTENDANCE     EMERGENCY COORDINATOR     ASSISTS RANKING FIRE OFFICIAL      EVACUATE FACILITY				
OR TOXIC GAS OR FUMES	SEMINOLE CO. EMERGENCIES STATION 35 201 W. COUNTY HOME RD SANFORD FL 32773 407-665-5100	TAKE ATTENDANCE     EMERGENCY COORDINATOR     ASSISTS RANKING FIRE OFFICIAL				
SPILL OR RELEASE OF     HAZARDOUS     MATERIALS OR     HAZARDOUS WASTES     (LARGE SPILLS THAT ARE     BEYOND THE SCOPE OF     ON-SITE PERSONNEL'S     CONTROL)	ALSO(if required) DEPARTMENT OF ENVIRONMENTAL PROTECTION - CENTRAL DISTRICT 3319 MAGUIRE BLVD. SUITE 232 ORLANDO FL 32803-3767 407-894-7555 PHONE FAX 407-897-2966	<ul> <li>EVACUATE FACILITY</li> <li>TAKE ATTENDANCE</li> <li>EMERGENCY COORDINATOR         EVALUATE THE SITUATION AND         POTENTIAL HAZARDS</li> <li>COORDINATE IN-HOUSE SPILL         RESPONSE (MINOR SPILLS) OR         CONTACT OUTSIDE RESPONDERS         (MAJOR SPILLS)</li> </ul>				
BOMB THREAT	CALL 911	EVACULATE FACILITY     TAKE ATTENDANCE     EMERGENCY COORDINATOR     ASSISTS RANKING POLICE OFFICIAL				
UNAUTHORIZED     TRESPASS	CALL 911 Also, if necessary; FIRST ALERT SECURITY ACCT #271636  MONITORING STATION 1-888-229-7941	<ul> <li>DO NOT ENTER BUILDING, BEFORE THE POLICE ARRIVE.</li> <li>EMERGENCY COORDINATOR &amp; OPERATIONS PERSONNEL CHECK FOR TAMPERING, THEFT, ETC.</li> <li>RESECURE FACILITY</li> </ul>				
SPILLS OF LIQUID CHEMICALS (SMALL)	CALL BOB AHMADI (COORDINATOR)	<ul> <li>IF POSSIBLE STOP THE FLOW IMMEDIATELY</li> <li>DON REQUIRED PERSONAL PROTECTIVE EQUIPMENT</li> <li>ABSORB THE SPILL (VERMICULITE)</li> <li>NEUTRALIZE IF MATERIAL IS CORROSIVE</li> <li>CONTAINERIZE THE SPILLED MATERIAL AND HANDLE AS HAZARDOUS WASTE FOR DISPOSAL</li> </ul>				

# **COORDINATION AGREEMENTS**

NAME OF ORGANIZATION	ELINOTION
SEMINOLE COUNTY EMERGENCY     RESPONSE TEAM     STATION 35     201 W.COUNTY HOME ROAD     SANFORD FL 32773     407-665-5100      SEMINOLE COUNTY SHERIFF'S OFFICE	FUNCTION  RESPOND TO FIRES RESPOND TO EXPLOSIONS RESPOND TO SPILLS
DISTRICT CENTER # 3 100 BUSCH BLVD SANFORD FL 32773 407-665-6650	PRIMARY RESPONDER FOR     FACILITY SECURITY AND     TRAFFIC CONTROL
SEMINOLE COUNTY EMERGENCY     RESPONSE TEAM     STATION 35     201 W. COUNTY HOME ROAD     SANFORD FL 32773 407-665-5100	<ul> <li>RESPOND TO HAZARDOUS WASTE SPILLS</li> <li>RESPOND TO RELEASE OF TOXIC SUBSTANCES</li> </ul>
<ul> <li>FLORIDA HOSPITAL</li> <li>601 E. ALTAMONTE DRIVE</li> <li>ORLANDO FL</li> <li>ER DEPT. 407-303-2230</li> </ul>	EMERGENCY MEDICAL     TREATMENT
<ul> <li>FLORIDA HOSPITAL CENTRA CARE</li> <li>855 S US HWY 17/92</li> <li>LONGWOOD FL 32750</li> <li>407-699-8400</li> </ul>	EMERGENCY MEDICAL     TREATMENT
<ul> <li>DEPARTMENT OF ENVIRONMENTAL PROTECTION – CENTRAL DISTRICT 3319 MCGUIRE BLVD. ORLANDO FL 32803-3767 407-894-7555 FAX 407-897-2966</li> </ul>	WILL ASSIST AND DIRECT CLEAN     UP OF HAZARDOUS, NON     HAZARDOUS SPILLS

ID # FLD 984 229 609 800-582-4833 407-328-9651

# **EMERGENCY EQUIPMENT LIST**

ITEM	DESCRIPTION/ CAPABILITY	LOCATION (S)
TELEPHONE C. (2)		
TELEPHONE S (2)	TELEPHONE COMMUNICATION FOR	BOB'S OFFICE
CELL PHONES (4)	EMERGENCY NOTIFICATION	MAIN OFFICE
CEEET HONES (4)		CELL PHONE IN WAREHOUSE
FIRE	DRY CHEMICAL	AREA, AND BOTH OFFICES
EXTINGUISHERS (4)	EXTINGUISH FIRES	STRATEGICALLY PLACED IN
EXTINGUISHERS (4)	EXTINGUISH FIRES	THE WAREHOUSE AND
FIRE HYDRANTS	COMBAT FIRES	STORAGE AREAS
TIKE ITT DICAIATS	COMBATTIRES	LOCATED IN THE GRASSY
	1.	AREA, DIRECTLY OUTSIDE
ABSORBANT	VERMICULITE AND ABSORBANT	OUR OFFICE AREA
MATERIAL	MATERIAL IN SPILL KITS- ABSORBS	WASTE STORAGE AREA
MITTERINE	LIQUID SPILLS	
RESPIRATORS	FULL FACE	STORAGE AREA -IN CABINET
RESI IRATORS	FILTER AMBIENT AIR / SUPPLY	LOCATED NEAR WORK BENCH
	COMPRESSED AIR	LOCATED NEAR WORK BENCH
EYE WASH BOWL (2)	PERMANENT INSTALLATION //FLUSH	WASTE STORAGE AREA AND
21221 202 (2)	EYES	SINK AREA
SHOWER	PROVIDE FULL BODY WASH DOWN	CONTAINER STORAGE AREA
		SINK, AND EYE WASH BOWL
FIRST AID KIT	BANDAIDS, BANDAGES, OINTMENTS,	OFFICE AREA, WORK BENCH
	TORNEQUET TWEEZERS ETC./ PROVIDE	CABINET AND TRUCKS
	MINOR FIRST AID	
PROTECTIVE	CLOTH, RUBBER - BODY PROTECTION	WASTE STORAGE AREA
APRONS & GLOVES		
SAFETY GLASSES	PERSONAL PROTECTIVE EYEWARE –	WASTE STORAGE AREA,
	ANSI RATING Z94.3	OFFICE AND TRUCKS
HARD HATS (6)	HEAD PROTECTION ANSI Z89.1 RATING	WAREHOUSE
EMERGENCY EXIT	EMERGENCY EGRESS EQUIPMENT	OFFICE DOORS
LIGHTS & SIGNS (4)	EMERGENCT EGRESS EQUITMENT	WAREHOUSE DOORS
PORTABLE RADIO	COMMUNICATION DEVICES	WAREHOUSE DOORS WAREHOUSE
	COMMONICATION DEVICES	WAREHOUSE
SPILL KITS	CLEAN UP MINOR SPILLS	STORAGE AREA
· <del></del>		
SPILL GUNS (2)	DISCHARGES ABSORBANT MATERIAL	BOTH LOCATED IN THE
		WASTE STORAGE AREA

## Spill Contingency Plan

# • In the event of a liquid hazardous material or hazardous waste spill, Communication Procedures are as follows:

1. Immediately notify the supervisor to determine the severity of the spill.

- 2. Evacuate all personnel immediately from the affected area (s), if product exposure irritates eyes or respiratory tract.
- 3. Notify the spill contingency plan administrator immediately.
- 4. If the leak/spill is from a damaged container, over- pack that container into a larger container and proceed with the clean up of the spilled area.
- 5. If release is determined "significant" dial 911. Give the operator your name, site address, nature of the emergency to include the name of the chemical spilled and request the fire department and the hazardous material response team.
- 6. If required, testing of the affected area should be done in accordance to local, state and federal regulations to deem the site safe and decontaminated.

Note: a spill is considered significant, if personnel are required to evacuate the work area.

# • If a liquid hazardous material or hazardous waste is spilled, following is The Containment Procedure:

- 1. Response trained employee will obtain absorbent from the spill response kit.
- 2. Employee will attire himself with proper personnel protective equipment, i.e., gloves, apron, and goggles.
- 3. Determination of required protective equipment can be found in the material safety data sheet.
- 4. Employee will apply an adequate quantity of absorbent on the spilled liquid.
- 5. Note: Diking the spilled liquid with absorbents is essential, if there is a floor drain in the immediate area.
- 6. Contaminated absorbents must be scooped up and contained in a disposal bag. The bag will be properly labeled and disposed of in accordance with all local, state and federal regulations.

# • In the event of fire or explosion, The Emergency Procedure is as follows:

- 1. Evacuate the facility
- 2. Call 911, using the cellular phone available to the employees.
- 3. Give the name of the business, the site location and the nature of the emergency.
- 4. Take attendance
- 5. Assist the senior fire official in any way possible.
- 6. Notify the chief operations officer (Bob Ahmadi)
- 7. Note: if the fire is small, and can be contained by the use of the fire extinguisher, proceed with the use of the extinguisher.
- 8. Under no circumstances will any employee attempt to extinguish a blaze that is out of control. Leave it for the professional fire fighters.

# • In the event of the release of harmful or toxic gases or fumes, The Emergency Procedure will be as follows:

- 1. Evacuate the facility immediately.
- 2. Call 911, using the cellular phone made available to the employees.
- 3. Identify the problem, give the location address and caller's Name.
- 4. Take attendance.
- 5. Assist the senior fire official in any way possible.
- 6. Have those affected, treated medically.

# • In the event of natural disasters (hurricanes, tornadoes, floods) The Emergency Procedure will be as follows:

- 1. If time allows, check waste container lids, tie down as much as possible, turn off all electricity to the facility.
- 2. Notify Seminole County police, that you are evacuating the facility and notify them as to the materials being left at the facility.
- 3. Leave emergency contact names and telephone numbers with the dispatcher.
- 4. Upon returning to the facility, it is suggested that an officer make a security check of the facility with you and document any mishaps to the property or its' contents.
- 5. Notify the chief operations officer (Bob Ahmadi) as to damage and loss of property. Also, the extent of damage, if any, to the containers held in the warehouse; any spills or other problems that are a result of the disaster.

# • In the event of a bomb treat, The Emergency Procedure will be as follows:

- 1. Evacuate the facility immediately.
- 2. Take attendance.
- 3. Call 911, and identify yourself and the address of the site.
- 4. Notify businesses in the immediate area, to allow them time to evacuate.
- 5. Assist the senior police official as required.
- 6. Notify the chief operations officer (Bob Ahmadi) as to the emergency and keep him informed as permitted.
- The same procedures shall be followed for any emergency situation not covered in this plan. Common sense and the assistance of personnel from the local police and fire departments are to be maintained. Direct all information regarding emergencies to the chief operations officer.

## **GENERAL INFORMATION**

#### **OWNER**

BOB AHMADI, PRESIDENT PHOTOGRAPHIC WASTE CONTROL, INC. 1943 HIGH STREET LONGWOOD, FLORIDA 32750 407-328-9651 800-582-4833 407-328-7158 FAX 407-592-3315 MOBILE

#### **SITE HISTORY**

- OPENED APRIL 1, 1992
- BUILT A SECONDARY CONTAINMENT WALL OF CONCRETE, WITH RE-ENFORCEMENT BARS (8"H X 8"W 30'w X 45'l. (1350 Sq. Ft.)
- OPENED SECOND BAY FOR TANKER STORAGE. THIS BAY HAS THE SAFETY WASH -UP EQUIPMENT (SINK, EYE WASH BOWL, SHOWER)

## LICENSES / REGISTRATION / PERMITS

- EPA I.D. NUMBER FLD 984 229 609
- DOT HAZARDOUS WASTE MATERIAL CERTIFICATE OF REGISTRATION REGISTRATION NUMBER 050100 039 0141J
- SEMINOLE COUNTY OCCUPATIONAL LICENSE STATE LIC.# BBC/DER/EPA APPROVED (# 037063) OLHS2001082302105
- STATE OF FLORIDA, DEPT. OF HEALTH, DRUGS, DEVICES & COSMETICS PERMIT # 53: 00005 (AUDIT CONTROL # 035674)

## **FACILITY STANDARDS**

- WASTE STORAGE
  - ✓ WASTE CONTAINERS ARE INSPECTED, AND SEGREGATED (HAZARDOUS and NON HAZARDOUS).
  - ✓ ALL WASTE IS STORED IN DEPARTMENT OF TRANSPORTATION (DOT) APPROVED CONTAINERS THAT RANGE FROM 2.5 gallons TO 55 gallon drums.
  - ✓ WASTE IS SEPERATED, TREATED, FILTERED, PUMPED, AND TRANSPORTED TO VARIOUS FACILITIES THROUGHOUT THE STATE.

#### FACILITY INSPECTIONS AND SELF AUDITS

- INSPECTIONS AND SELF-AUDITS ARE CONDUCTED ON A ROUTINE SCHEDULE. THE FOLLOWING ITEMS ARE INSPECTED ON A DAILY BASIS:
- ✓ HOUSEKEEPING PRACTICES
- ✓ OVERFILL AND LEAKS FROM CONTAINERS
- ✓ SAFETY AND EMERGENCY EQUIPMENT

#### **DIRECTIONS TO THE SITE**

• 17/92 SOUTH TO THE INTERSECTION OF SR 419. TURN LEFT AND FOLLOW THE CURVED ROAD. THE FIRST LEFT TURN IS HIGH STREET. (HIGH ST. IS DIRECTLY ACROSS FROM SEMINOLE COUNTY TRANSFER STATION) GO OVER THE R X R TRACKS, PAST EWELL INDUSTRIES, BEAR TO THE LEFT AND PWCI IS ON YOUR LEFT SIDE, AFTER YOU PASS SUPERIOR TRIM & DOOR TRUCKS. WE ARE AFTER THE GRASSY AREA.

#### PREPAREDNESS and PREVENTION

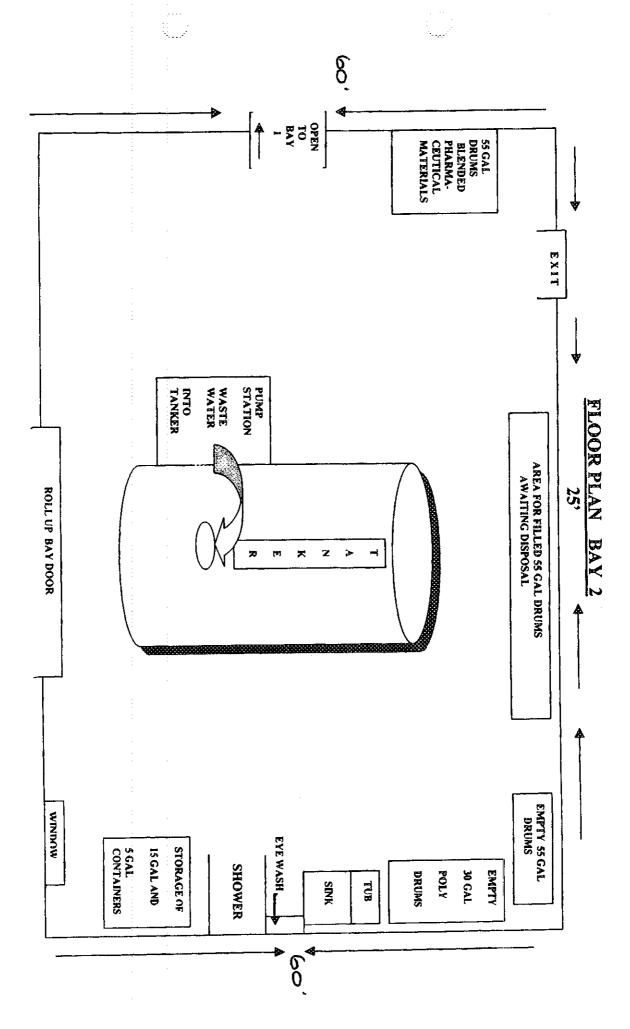
- PWCI IS MAINTAINED IN AN ORDERLY FASHION. EMERGENCY EQUIPMENT (TELEPHONES, FIRE EXTINGUISHERS, SPILL KITS) ARE READILY AVAILABLE THROUGHOUT THE SITE.
- THE EQUIPMENT IS ROUTINELY INSPECTED, TESTED AND MAINTAINED.
- THERE IS ADEQUATE SPACE TO ENSURE UNOBSTRUCTED MOVEMENT OF PERSONNEL,
   WASTE HANDLING EQUIPMENT AND EMERGENCY EQUIPMENT.
- THERE IS NO SMOKING ALLOWED IN THE OPERATIONAL AREAS OF THE FACILITY.

#### **KEY PERSONNEL**

BOB AHMADI ROBERT SANTIAGO BARBARA SIMBOLI ROBERT WOODARD PRESIDENT (SPILL CONTINGENCY ADMINISTRATOR)
SITE MANAGER
OFFICE ADMINISTRATOR
HEALTH, SAFETY AND ENVIRONMENTAL AFFAIRS

FLOOR PLAN

BAY 1





# Department of Environmental Protection

Jeb Bush 2600 Blair Stone Road
Governor Tallahassee, Florida 32399-2400

David B. Struhs Secretary

### HAZARDOUS WASTE TRANSPORTER

CERTIFICATE OF APPROVAL

This is to certify that the carrier specified below has been approved as a hazardous waste transporter in Florida. The terms and conditions of this certificate require that the holder comply with all applicable portions of Chapter 62-730, Florida Administrative Code. This certificate shall be rendered null and void if any information contained within becomes obsolete. The certificate shall remain valid through the expiration date specified below.

TRANSPORTER:

Photographic Waste Control, Inc.

EPA ID NO:

FLD 984 229 609

FACILITY ADDRESS:

1943 High Street

Longwood, Florida 32750

FDEP. CENTRAL DISTRICT HAZARDOUS WASTE

ÐNA

7002 7

INSURANCE CARRIER:

Canal Insurance Company

INSURANCE POLICY #:

364133

EFFECTIVE DATE:

September 9, 2001

**EXPIRATION DATE:** 

September 9, 2002

APPROVED TRANSFER FACILITY:

YES

APPROVAL ISSUED BY

DATE: September 7, 2001

Richard C. Neves

Hazardous Waste Management Section

850/488-0300

rev. 0 (Oct 91)

"More Protection, Less Process"

Printed on recycled paper.

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PHOTOGRAPHIC WASTE CONTROL	INC			SENTAINES.	
1943 HIGH ST LONGWOOD FL 32750		AUTHORUZE	D REPRESENTATIVE	/	
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Attention:	:		Jan /		

ACORD 25-S (7/97)

Certificate #



Jeb Bush Governor

# Department of Environmental Protection

Twin Towers Office Building 2600 Blair Stone Road Tallahassee, Florida 32399-2400

David B. Struhs Secretary

### TRANSFER FACILITY NOTIFICATION FORM

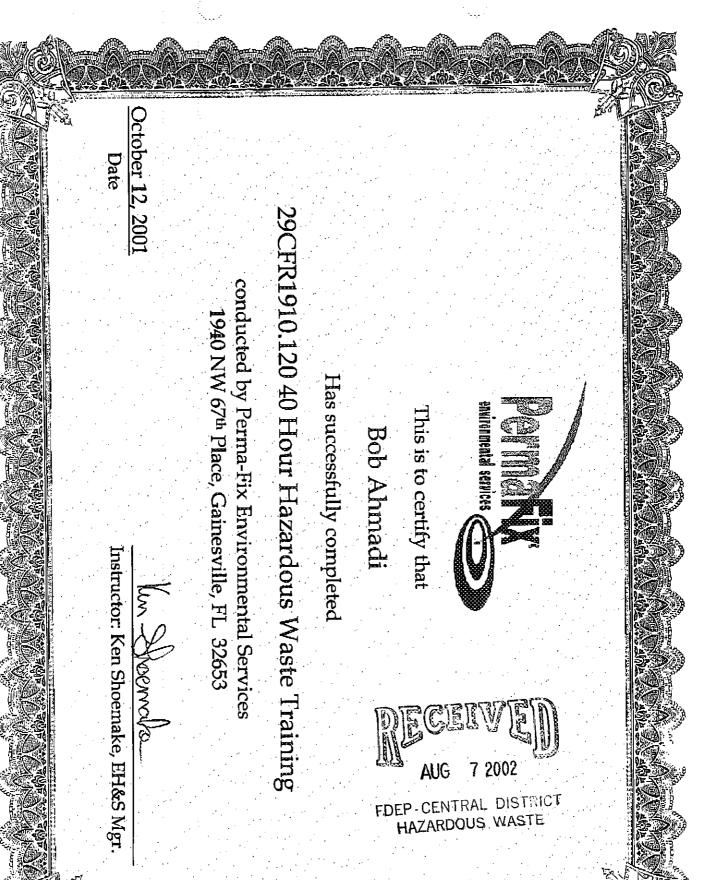
This form must be completed as required in Florida Administrative Code Rule 62-730.171(3) by transfer facilities storing hazarous waste in accordance with Florida Administrative Code Rule 62-730.171. All information must be typed or printed clearly.

1.	Transporters Identification		
	Company Name	PHONOGRAPHIC WASTE CONTROL, INC.	
	E.P.A. ID No	FLD 984 229 609	
	Company Mailing Address	1943 HIGH STREET	
	Principal Contact	OB VINVOI	
		328-9651	
-11.	Transfer Facility Identificat		
	Name of Facility	METOGRAPHIC WASHE CONTROL, INC.	
	Street Address		
		LONGWOOD FL 32750	
	Latitude 28 43 1	15' Longitude 81 18' 28'	
	County SEMINOLE	Storage Volume 7500 GALLON	
111.	Certification		
		that the above information is accurate and complete. As the owner or operator of the ste transfer facility, I am aware that this facility must comply with the requirements of 62-730.171.	
Doir	BAHRAM R. A	MADI PRESIDENT DECETVE	
	$\mathcal{D} \cap \mathcal{D}$	AliG 7 2002	
Sie	nature of Authorized Repres	Native Date signed FDEP CENTRAL DISTR	107
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### STATE OF FLORIDA

### HAZARDOUS WASTE TRANSPORTER STATUS FORM

1.	Transporter	r Identific	<u>ation</u> :							
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	Transporter	PAID:	FID	984		_609				
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	D001	D011	D002	N/T.	RCRA F00	F005	F002	D008	3	
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October 12, 2001 29CFR1910.120 40 Hour Hazardous Waste Training conducted by Perma-Fix Environmental Services 1940 NW 67th Place, Gainesville, FL 32653 Has successfully completed Barbara Simboli This is to certify that Instructor: Ken Shoemake, EH&S Mgr

ctober 12, 200

Date



This is to certify that

Roberto Santiago

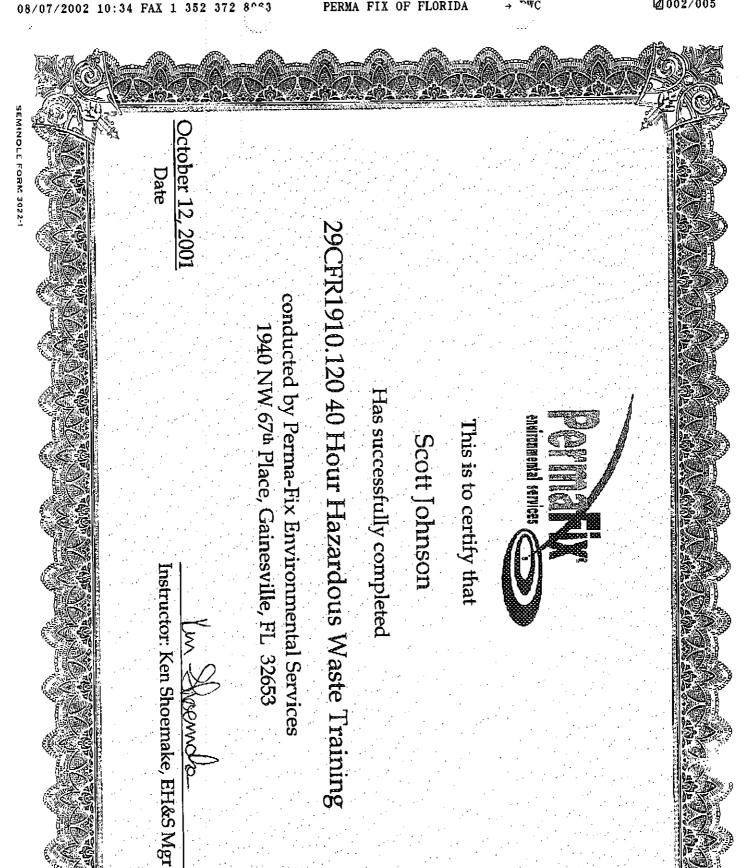
Has successfully completed

29CFR1910.120 40 Hour Hazardous Waste Training

conducted by Perma-Fix Environmental Services

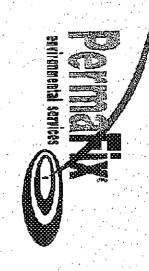
1940 NW 67th Place, Gainesville, FL 32653

Instructor: Ken Shoemake, EH&S Mgr.



08/07/2002 10:34 FAX 1 352 372

October 12, 200



This is to certify that

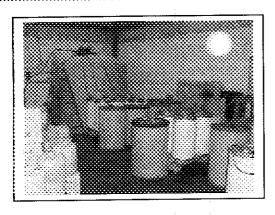
John Nicolosi

Has successfully completed

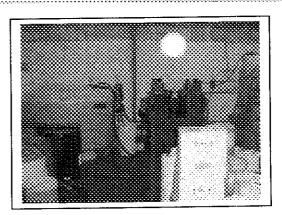
29CFR1910.120 40 Hour Hazardous Waste Training

conducted by Perma-Fix Environmental Services 1940 NW 67th Place, Gainesville, FL 32653

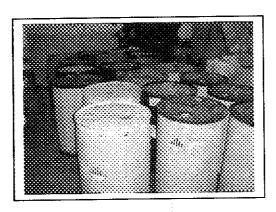
Instructor: Ken Shoemake, EH&S Mgr.



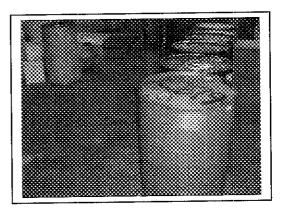
Photographic Waste Control, Inc. 8/7/02. 10:11am. Filter treatment system for photo fixer solution containing silver. WK



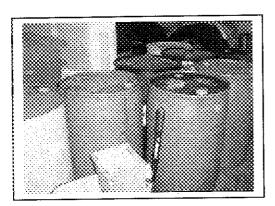
Photographic Waste Control, Inc. 8/7/02. 10:11am. Holding tank for photo fixer solution containing silver. WK.



Photographic Waste Control, Inc. 8/7/02. 10:11am. Hazardous waste storage area. WK



Photographic Waste Control, Inc. 8/7/02. 10:11am. Hazardous waste storage area. WK



Photographic Waste Control, Inc. Hazardous waste storage area. WK

John

I just had a small printer, Marrakech Express, dispose of some waste to this facility (FLD 984 229 609) as the designated facility on a HW manifest. In addition to some D011 photo waste, five gallons is IDed as "Blanket wash (petroleum naptha) D001" My facility claims to be CESQG which I am still trying to determine. I'm wondering if Photo Waste accepted their non-silver hazardous waste only because Marrakech says they are CESQG, or is Photo Waste a permitted storage facility? or recycling this waste with no storage? I think Marrakech may be determined SQG in the future and I want to let them know if they can still send waste other than D011 to this facility.

There was also 20 gallons of waste IDed as "Environmentally Hazardous Substance, NOS (potassium hydroxide)" with "N/L" filled-in on the Waste No. line. Marrakech says it was a mixture of photo and plate developer, but they hadn't provided Photo Waste with any ID other than this verbal description before the driver picked-it up. Marrakech said no samples or profiles were done before the pick-up.

Thanks for any info you can provide, Randy

e 3		
FDEP	3804 Coconut P	alm Drive, Tampa, FL 33619-8318
	:	

FAX

Date: March 13, 1999

Number of pages including cover sheet: Z

To:	White
	P Distrat + HW
( entra	( Ligarian 1
	:
Phone:	
	(07 893-3167
	107 893-3167

From:
Ravely Strowss
SwDd HW

Phone: (813) 744-6100 Y 387

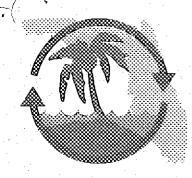
Fax phone: (813) 744-6125

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REMARKS:	Urgent	For your review	Reply ASAP	Please comment
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EPA Form 8700-22 (Rev. 9-98) Previous edition obsolete.

7-BLC-M5 (Rev. 10/96)

		Emergency Contact	relephone Number		
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4	3. Generator's Name and Mailing Address	ARRAKECH	, INC	A State Manifest Docur	nent Nurwbor
Î		500 ANGH		CN:0000	7170
1	2.10	JARAUNS	PRINCES, FIC	B. State Generator's ID	
	4. Generator's Phone (-127-) 4/3-	<u> </u>	3408	SAME	
	5 Hansporier 1 Computiny Name	6 44 TVG   15 T D	US FFA ID Number	C. State Transporter's II	······································
	PHOTOGRAPHIC WASTE CONTR	OL, INC. ELD	9. 8. 4. 2. 2. 9. B. US (-[ A ID Number	D. Transporter's Phone     E. State Transporter's III	````
┟┢	7. Transporter 2 Company Name	В. 1		1. Transporter's Phone	
		10	US LPA ID Number	G. State Facility's ID	
H	9. Designated Facility Name and Site Address.	114.	O2 Laverty rangings	d. Sale reomy our	
	PHOTOGRAPHIC WASTE CONTR	OD, INC.		H. Facility's Phone	
	1943 HIGH STREET LONGWOOD, FL 32750	LET. D	9, 8, 4, 2, 2, 9, 6,		1
1	11. US DOT Description (Including Proper Shipping			Containers 13.	14
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				K. Haridling Codes for V	Vestoe Lielard Allower
	J. Additional Descriptions for Materials Listed Above			₩010 · M120	
	PHOTOGRAPHIC WASTE; CO	MITA CHIRDODE CITAR MOTITODALO:	TO CHILODITOE PH	T   M	ERG# 27
$\ $	a-ACETIC ACID, AMMONIUM T b-HYDROQUINGNE, SODIUM SUI	DIO SOPEMIE, SIDA	HOSDHATE	EN800-582-48	
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П	15. Special Handling Instructions and Adultional In	formation			
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		a common or other to reduce the	e samme sent toxicity of was	to percented to the degree I have	determined to bolich incomingly
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۱,	20 Facility Owner or Operator: Certification of rec	cipt of hazardous materials cover	ed by this remidest except a	es noted in Item 19	<u></u>
	Y		0 0	1	( ),
1	Printed/Typed Name BOB AHMADI	Sig	nature	Alpan	Month Day You
1			100~~/	~ // I/ V/	- 10/1/7/17



# Photographic Waste Control, Inc.

Protecting You and the Environment



December 11, 1995

Mr. John White
Department of Environmental Protection
3319 Maguire Boulevard Suite 232
Orlando, Fl 32803-3767

Dear Mr. White:

We have recently anallyzed two samples for total silver on prestablized liquid, and enclosed a copy of the report for your records. If you wish to recieve a copy of the results for future analysis, please let us know so to be forwarded as it becomes available.

We welcome your questions, comments, or recommendations.

Sincerely

Bob R. Ahmadi



### PC&B Environmental Laboratories, Inc.

210 Park Road, Oviedo, Florida 32765 Fax: 407-359-7197 Phone: 407-359-7194

Client:

**Photographic Waste Control** 

1943 High Street

Longwood, FL 32750-

Contact: Bob Ahmadi

Phone:

(800) 582-4833

**Laboratory Reference Number: 95110163** 

Project Name: Project Number:

Laboratory II	) Matrix	Client ID	Status	Date/Time Sampled
95110163-1	Liquid	PRESTAB-1	RUN	11/20/1995
95110163-2	Liquid	PRESTAB-2	RUN	11/21/1995
Number	Parameter	Description		
2	EPA 200.7	Silver by ICAP		

PC&B Environmental Laboratories, Inc.

210 Park Road Oviedo, FL 32765

PHONE: 407-359-7194

Report of Analysis

CLIENT NAME: Photographic Waste Control

PROJECT NAME: PROJECT NUMBER:

**DATE RECEIVED: 11/21/1995** 

95110163-2 95110163-1 Lab Reference Number PRESTAB-1 PRESTAB-2 Client Sample ID 11/20/1995 11/21/1995 Date Sampled Sample Matrix (as Received) Liquid Liquid EPA 200.7 Silver, Total 1600 1400 ug/i

U = Undetected. The value preceeding the 'U' is the MDL for the analyte.

FDEP CompQAPP # 900134G - FHRS Certification # E83239/83353

## **Quality Control Report for Spike Analysis**

### **INORGANICS**

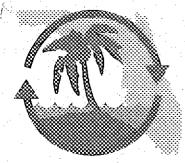
Matrix: Water

Lab Sample ID: RB-11-22

Analysis Date: 11/22/1995

Preparation Date: 11/22/1995

	Spike	Sample	Spike	Percent	Lower Control	Upper Control
Analyte	Amount	Result	Result	Recovery	Limit	Limit
Silver, Total	100 ug/l	0	93	93	54	124



# Photographic Waste Control, Inc.

Protecting You and the Environment



Department of Environmental Protection 3319 Maguire Boulevard Suite 232 Orlando, Florida 32803-3767

Attention: Mr. John White

Dear Mr. White:

Upon receipt of your report, we sent a sample of concentrated liquid for analysis of total silver content, and resulted in 6.95 PPM.

We took immediate action by replacing primary cartridges, and returning the concentrated liquid to holding tank for second recovery. Later on we sent two samples that withdrawen in two different days of recovery to be analyzed. Results are 1.64, 1.67 PPM. However these are for pre-concentrated liquid.

We are going to submit another sample to be analyzed, after concentration, and will inform you as soon as the results back to us. Also we have taken action toward your recommendations on the report.

We welcome your further questions, comments, or recommendations.

Sincerely

Bob R. Ahmadi

Date 9/11/1995

PC&B Environmental Laboratories, Inc. 210 Park Road Oviedo, FL 32765 PHONE: 407-359-7194 Report of Analysis

CLIENT NAME: Photographic Waste Control

PROJECT NAME: PROJECT NUMBER:

DATE RECEIVED: 08/18/1995

Lab Reference Number
Client Sample ID
Date Sampled
Sample Matrix (as Received)
EPA 200.7 Silver, Total

95080098-1 PRE STAB-1 08/18/1995 Liquid

Silver, Total ug/l 6950

U = Undetected. The value preceeding the 'U' is the MDL for the analyte.

FDEP CompQAPP # 900134G - FHRS Certification # E83239/83353

Reviewed by

PC&B Environmental Laboratories, Inc. 210 Park Road Oviedo, FL 32765 PHONE: 407-359-7194		Report of Analysis  CLIENT NAME: Photographic Waste Control PROJECT NAME: PROJECT NUMBER: DATE RECEIVED: 08/30/1995		
Lab Reference Number Client Sample ID Date Sampled Sample Matrix (as Received)		95080168-1 1 08/29/1995 Water	95080168-2 2 08/30/1995 Water	•
EPA 200.7 Silver, Total	ug/l	1640	1670	

U = Undetected. The value preceeding the 'U' is the MDL for the analyte.

FDEP CompQAPP # 900134G - FHRS Certification # E83239/83353



# Department of Environmental Protection

Lawton Chiles Governor Central District 3319 Maguire Boulevard, Suite 232 Orlando, Florida 32803-3767

Virginia B. Wetherell Secretary

<u>CERTIFIED</u> <u>Z-188 599 109</u>

Photographic Waste Control 1943 High Street Longwood, Florida 32750

Attention: Mr. Bob Ahmadi

OCD-HW-95-0299

Seminole County - HW Photographic Waste Control Hazardous Waste Compliance Inspection

Dear Mr. Ahmadi:

A hazardous waste compliance inspection was conducted at your facility on June 20, 1995. This inspection was conducted under the authority of Section 403.091, Florida Statutes, and Chapter 403, Part IV, Florida Statutes, and is designed to ascertain the compliance status of your facility with 40 CFR Parts 260-268, adopted in Florida Administrative Code Chapter 62-730.

Attached is a RCRA Hazardous Waste Inspection Report which contains a request for further information on the nature of the waste generated by your vacuum evaporator and makes recommendations to improve waste management procedures.

If you have any questions, please contact John White or Jennifer Hobbs, Hazardous Waste Program, at (407)893-3323.

Sincerely,

W. M. Bostwick, Ox. P.E.

Program Administrator Waste Management

8/11/95

waste Management

Date

WMB/jw

c: ۱۱ Ser

Seminole County Environmental Tallahassee EPA Region IV

Attachment: RCRA Inspection Report

### FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

### HAZARDOUS WASTE INSPECTION REPORT

1.	INSPECTION TYPE: COMPLAINT X ROUTINE FOLLOW-UP PERMITTING
	FACILITY NAME Photographic Waste Control DEP/EPA ID# FLD984229609
	STREET ADDRESS 1943 High Street, Longwood, Florida 32750
	MAILING ADDRESS Same
	COUNTY Seminole PHONE (407)328-9651 DATE 06/20/95 TIME 1035
	NOTIFIED AS:    Non-Handler
2.	Applicable Regulations:         40 CFR 261.5       40 CFR 262       X 40 CFR 263       40 CFR 264         40 CFR 265       40 CFR 266       40 CFR 268       40 CFR 279
3.	Responsible Officials: Bahram (Bob) Ahmadi
4.	Survey Participants and Principal Inspector: John White - FDEP Jennifer Hobbs - FDEP Tom Waters - Seminole County Bob Ahmadi - PWC
5.	Facility Location: Latitude: 28°43'45" Longitude: 81°18'28"
б.	SIC Code: 7389, Business Services, nec.
7.	Type of Ownership: FEDERAL STATE COUNTY MUNICIPAL PRIVATE

Photographic Waste Control August 3, 1995 Page 3

8. Permit No.: None

Date Issued:

Exp. Date:

Photographic Waste Control August 3, 1995 Page 4

#### I. NARRATIVE:

On June 20, 1995, John White and Jennifer Hobbs, Florida Department of Environmental Protection, accompanied by Tom Waters, Seminole County, and Bahram R. Ahmadi, Photographic Waste Control Site Operator, inspected the facility for compliance with hazardous waste standards.

Photographic Waste Control is a hazardous waste transporter and transfer facility which services small businesses generating waste photographic chemicals and related materials.

Waste photographic fixer and developer, toner, spent photo-processing chemicals, and waste inks are transported from generator locations to the transfer facility, which also houses the silver recovery operation, located at 1943 High Street, Longwood, Seminole County, Florida.

Spent photographic fixer containers are emptied into one 500-gallon, above ground tank and photographic developer into a second 500-gallon, above ground tank. The spent fixer, which contains silver, is processed through Mark 26 recovery columns to remove the silver. The processed fixer waste then accumulates in a 500-gallon, above ground tank. The processed fixer is tested using a piece of copper. If no silver plates out onto the copper, the waste is assumed to contain less than 5 parts per million silver.

Spent photographic developer, which contains no silver, and the processed fixer waste, are then treated in a Licon vacuum evaporator. The vacuum evaporator separates contaminants from the water portion of the waste.

The facility processes about 140 gallons of waste during a 6-7 hour operating day. Processing of the waste through the vacuum evaporator generates two waste streams; distilled water and sludge. Distilled water is used in the facility's cooling tower. The liquid waste/sludge portion, which was separated from the water, goes into 55-gallon drums where it is mixed with sawdust. The solidified mixture is managed in a nonhazardous waste landfill in Georgia. The Licon, which sits on a concrete pad and is surrounded by a curb, is cleaned from time to time with small amounts of chromic acid.

Approximately 71 55-gallon drums of Licon sludge/sawdust were accumulating in a room adjacent to the processing area. There are waste analysis results available for the sludge/sawdust that indicate the mixture does not exhibit a characteristic of hazardous waste. There has been no analysis on the sludge prior to mixing with sawdust.

Toner, which exhibits a characteristic of ignitability (D001), is accepted from some small businesses. Waste inks are accepted in 1-gallon containers. Inks which have hardened are thrown out - managed as nonhazardous waste. Material Safety Data Sheets provided for inks managed by Photographic Waste Control do not appear to exhibit characteristics of hazardous waste.

Bins within the warehouse are used to collect x-ray film. The film is separated according to the amount of coverage, which is related to the amount of silver potentially present. The film is shipped to DuPont for silver recovery.

Photographic Waste Control August 3, 1995 Page 5

All containers of hazardous waste from Conditionally Exempt Small Quantity Generators (CESQG's) have the words "Hazardous Waste" on them, however, the generators name is not listed.

Review of the facility's paperwork included insurance information, training records and manifests. No violations of these requirements were found.

#### II. POTENTIAL NON-COMPLIANCE ITEMS:

40 CFR 262.11 - A hazardous waste determination must be made on sludge/liquid waste generated by the Licon. The waste must be tested for hazardous waste characteristics prior to being mixed with sawdust. Assessing the waste prior to processing in the vacuum evaporator will not provide accurate information on the hazardous characteristics of the waste after processing.

Within 30 days of receipt of this report, please submit analytical results for liquid/sludge waste generated by the Licon.

#### III. RECOMMENDATIONS:

62-730.171(2)(e) requires the owner or operator of a transfer facility to maintain a written record of when all hazardous waste enters and leaves the facility. This record shall include the generator's name, the generator's EPA/DEP identification number, and the manifest number. For conditionally exempt small quantity generators without EPA/DEP identification numbers, the record shall include the name and address of the generator.

Drums picked up from CESQG's should have the name and other identifying information on the generator on the drum label. This will allow the facility to identify the generator if a problem should be found with a container or the waste.

Also, when possible, please inform your CESQG customers, that Florida Administrative Code Rule 62-730.030(3) requires a conditionally exempt small quantity generator which chooses to send its hazardous waste to an off-site treatment, storage or disposal facility to document delivery of its hazardous waste through written receipts and other records which must be retained for at least three years.

The facility should always request waste identification information for inks accepted for disposal. The information must be specific for the type of ink being accepted. Also, please be aware, a waste stream may exhibit different characteristics than the original product. If cleaning solvents have been mixed with the inks, the waste may be regulated as hazardous waste and must be managed as such.

Report Prepared By:

) John White

Environmental Specialist



## Florida Department of Environmental Regulation

Central District • 3319 Maguire Boulevard, Suite 232

Orlando, Florida 32803-3767

Lawton Chiles, Governor

Carol M. Browner, Secretary

December 30, 1992

OCD-HW-92-0659

Mr. Bahram R. Ahmadi Photographic Waste Control Inc. 1943 High Street Longwood, Florida 32750

Seminole County - HW
Photographic Waste Control Inc.
RE: Volume Reduction of Hazardous Waste and
Precious Metal Recycling

Dear Mr. Ahmadi:

The Department has determined that Photographic Waste Control Inc. does not need a permit to operate a volume reduction process since they are recycling a precious metal.

Photographic Waste Control has received their EPA Transporter Number (FLD984229609), and is allowed to transport hazardous waste from generators to their facility for volume reduction and precious metal recycling. The sludge generated from the recycling process will be tested for further determination. If the sludge is not hazardous it will be disposed of as a non-regulated waste, but if it is determined to be a hazardous waste, the sludge will be manifested for proper disposal.

The wastewater generated through the reduction process will not be disposed of at the Publicly Owned Treatment Works (POTW) plant as originally planned. Since a cooling tower is utilizing this wastewater, we suggest you contact the Air Section regarding the possible need for a permit.

Please do not hesitate to contact the Hazardous Waste Section at (407) 894-7555 if you have any questions.

Sincerely,

Robert T. Snyder P.E

Program Manager

Hazardous Waste Section

TKTIL RTS/mm



#### MEMO TO THE FILE

RE:

PHOTOGRAPHIC WASTE CONTROL INC.

1943 HIGH STREET

LONGWOOD, FLORIDA 32750

(407) 328-9651

DATE:

DECEMBER 8, 1992

FROM:

MARY MCGEHEE

Discussion with Linda Lakes regarding Photographic Waste Control. Her two concerns were:

1. Is the sludge generated from the waste reduction planning to manifested as hazardous waste or will it go for further reclamation?

The sludge will be manifested but sent for reclamation.

2. Will they be testing the waste water generated before delivering it to the wastewater treatment plant?

After a discussion with Bahram Ahmadi, there is no wastewater to dispose of at the wwtp. They now have a cooling tower which used the wastewater they have generated. I suggested Mr. Ahmadi contact the Air Section regarding possible permits needed for operation of the cooling tower.

Photographic Waste Control has received their EPA transporter number (FLD984229609).

In conclusion, a letter will be sent to Mr. Ahmadi summarizing acceptance from the Department for Photographic Waste Control to transport and reduce the volume of waste generated from generators. The sludge will be manifested as hazardous waste to the facility which they have purchased their equipment (name ??) for further reclamation of the silver. A suggestion will be made that they contact the Air Section regarding the possible need for permitting the cooling tower.



# Florida Department of Environmental Regulation

Central District • 3319 Maguire Boulevard, Suite 232

Orlando, Florida 32803-3767

Carol M. Browner, Secretary

Lawton Chilés, Governor

MEETING	G ATTENDANCE RECORD
Purpose: Meeting W ?  Photocopole Studie Contro	Date: // //// ////////////////////////////
/Name (please print)	Affiliation
Mary M'Gehee	FAER
BOB SNYDER	FOER
	PHOTOGRAPHIC WASTE CONTROLING.
HAMED RAFIEE BOHRAM R. AHMADI	PHOTOGRAPHIC WASTE CONTROLING. Photographic WASTE Control INC.
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Continued on reverse side



### Florida Department of Environmental Regulation

Central District

3319 Maguire Boulevard, Suite 232

Orlando, Florida 32803-3767

Lawton Chiles, Governor

Carol M. Browner, Secretary

March 18, 1992

Mr. Hamed Rafiee 9125 Tivoli Place Bocca Raton, FL 33434 OCD-HW-92-0123

Dear Mr. Rafiee:

The Department has no objection to the Photographic Waste Control of Florida Pilot Plan submitted on January 18, 1992 provided this business will meet the following criteria:

- 1. Photographic Waste Control of Florida must not accept waste from any generator unless they are Conditionally Exempt Small Quantity Generators (CESQG). It will be the responsibility of Photographic Waste Control of Florida to determine the generator status of their potential customers as outlined in Item #1 of the January 18, 1992 response.
- 2. In accordance with 40 CFR (Code of Federal Regulations)
  Part 262.11, the facility must determine if sludge and/or
  other waste generated during the treatment of waste from
  the CESQGs is hazardous. Testing should include at a
  minimum the Toxicity Characteristics Leaching Procedure
  (TCLP) for metals and organics, characteristic for
  ignitability, and characteristic for corrosivity.
- 3. Any hazardous waste generated by Photographic Waste Control of Florida must be properly disposed of. This facility must comply with all applicable regulations contained in 40 CFR and the Florida Administrative Code 17-730.
- 4. Before Photographic Waste Control of Florida accepts waste from any facility other than a facility with CESQG status they must have obtained appropriate permits from the Department of Environmental Regulation for storage and/or treatment of hazardous waste.

Please do not hesitate to contact Mary McGehee of the Hazardous Waste Section at (407) 894-7555 if you have any questions.

Sincerely,

Robert T. Snyder, P.E.

Program Manager

Hazardous Waste Section

RTS/mm



*TO*:

# Florida Department of Environmental Regulation

Central District • 3319 Maguire Boulevard, Suite 232 • Orlando, Florida 32803-3767 • 407-894-7555

Lawton Chiles, Governor Carol M. Browner, Secretary Alex Alexander, District Director

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# Florida Department of Environmental Regulation

Central District • 3319 Maguire Boulevard, Suite 232 • Orlando, Florida 32803-3767

Carol M. Browner, Secretary

Lawton Chiles, Governor

February 6, 1992

Hamed Rafiee 9125 Tivoli Place Bocca Raton, FL 33434 OCD-HW-92-0045

Subject : Photographic Waste Control of Florida Pilot Plan

Dear Mr. Rafiee:

This is to inform you the Department is in receipt of the information packet responding to the concerns conveyed in our letter of January 15, 1992. We will review your comments at the earliest convenience and provide a suitable response.

Please understand because of a hiring freeze limiting our resources to review matters such as this we are unable to interrupt our normal review process to provide special consideration to any projects.

Please do not hesitate to contact the Hazardous Waste Section at (407) 894-7555 if you have any questions.

Sincerely,

Robert T. Snyder, F.E.

Section Manager

Hazardous Waste Program

-NLM RTS/mm

January 18,1992

Mr Robert Snyder, P.E Section Manager Department of the Environmental Regulation Hazardous Waste Program Orlando, Fl. 32803

Dear Mr Snyder:

The following are our responses to the concerns outlined in your letter dated 1/15/92:

1. The Photographic Waste Control Inc. will ask every customer to fill out a questionnaire before signing the service contract agreement. This questionnaire will document the total amount of all of the hazardous wastes generated by the customers' facility.

Prior to signing the contract with the customer a review of the questionnaire will be done by our qualified personnel to determine the status of the customer as a generator. This status determination will be done based on the criteria set forth on page (9) of the Florida's Handbook for the Small Quantity Generators of Hazardous Waste published by the DER. If it is determined that the customer status is Conditionally Exempt Small Quantity Generator we will sign a contract agreement with that customer indicating his/her status as a generator. If at one time a customer under agreement changes his/her status to become a Small Quantity Generator or a Generator, we will stop providing services to that customer.

As mentioned in our pilot plan we intend to use the manifest system (Although not required by EPA) for better record keeping of the waste handling.

The manifests and the contract agreements will be presented to the Department inspectors upon request.

- 2. We would like to offer our services to the Conditionally Exempt Small Quantity Generators immediately after the approval from DER and the Seminole County. Our goal is to extend these services to the Small Quantity Generators after a period of six months to a year depending on the market demand.
  - 3. Starting April 1st, 1992 the operators of vehicles transporting hazardous materials are required by the DOT to possess a Commercial Driver License (CDL) with the hazardous waste endorsement.

ABOUT POSETANDO

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Mary Original

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4. As shown on the submitted floor plan the initial recovery of silver will be done by the automated units using electrolysis. the solution after being introduced to these units will be discharged when the unit Amperage indicator shows zero meaning that all of the silver has been recovered.

Experience has shown that some silver residue is still present after completion of this initial recovery. This silver residue is collected during the secondary silver recovery performed by the Ion Exchange Units.

The solution after the completion of the secondary recovery will be tested to determine its silver content. Please be aware that the silver test paper is only used as a quick method for determining when the cartridges are ready to be rotated. We will analytically test the outcoming solutions from the Ion Exchange Units everyday at our facility and by an outside laboratory after processing of every 1000 gallon of solution. The results of these tests will be kept on records to be presented to the Department inspectors upon request.

5. The setup at our facility will be based on a continuous system. The waste solutions will be processed immediately upon arrival to our facility.

For the first six month of our operation our estimated waste solution processing volume will be 20 - 25 Gallons per day. This volume might change in the future as explained in no. 2.

Our potential customers are the Conditionally Exempt Small Quantity Generators in the following industries.

- Doctors
- Printers
- Dentists
- Quick processing photo labs
- Typesetters and designers

6. The treatment process is different for each type of solution. There are two types of solutions that are dealt with at all times. These are Fixer and Developer solutions. The distinguishing factor between these solutions is the PH indication.

Fixer solution has a PH of 3-5 and is of two types of Color (Bleach Fixer) and Black and White. The Developer solution is either regular (PH 8-12) or is of the Stabilizer type (PH of 5-7).

Buch Commence

All solutions are collected separately by the customer in predetermined labeled containers. Our representative will verify the type of solution in each container by using a PH paper prior to pick up. Each solution is processed at our facility as soon as it is arrived. The following will explain the process in more details (Pleas refer to the attached floor plan):

### Fixer Solution

The Black and White Fixer will be transferred to 50 gallon holding tank No.1. The automated feed and dispensing silver recovery unit will start to di-silverize the solution immediately. The outcoming solution is fed into the 15 Gallon pumping station No. 3 for further processing.

the Bleach Fixer solution will be transferred to a 50 gallon tank No. 10. This solution will also be transferred to the 15 Gallon pumping station No. 3 for further processing after its silver is recovered.

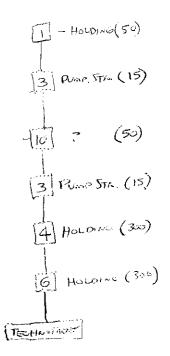
Holding tank No. 4 is a 300 gallon capacity elevated tank which will hold the incoming solution from the pumping station for the slow process of the secondary silver recovery operation to be performed by the Ion Exchange Units. After completion of the secondary silver recovery The solution will be transferred to the 300 gallon holding tank No. 6 to be introduced to the waste water separator unit (Technotreat).

### Developer Solution

The regular Developer solution will be transferred to a 300 gallon holding tank No. 11. The solution will be introduced to the waste water separator immediately.

The Stabilizer solution bears minimal silver this solution and any other Developer solution that has been contaminated with Fixer solution will be transferred into the holding tank No 4 for further processing.

It should be noted that there is a type of Developer used by the printing companies that is combustible. If a review of the customers MSDS indicate the usage of this solution we will advise the customer to use other permitted facilities for its disposal.



The water separator unit is equipped with an internal pump which will be activated when demanding solutions. The solution from each of the holding tanks (No. 6 & 11) are processed separately by the Technotreat unit to prevent the chemical reaction which may result into a gas and odor discharge.

The waste water separator unit will separate the sludge waste from the water portion (Apx. 85%) by using condensation. The water is turned into a distilled water which will be collected into the 1000 gallon capacity holding tank No. 8. The sludge waste is transferred into the lined drums. Both the distilled water and the sludge waste will be tested by an outside laboratory to determine their characteristic waste code so they can be disposed properly to an offsite facility.

Please note that our automated system will be equipped with valves to be used for system shut off during an emergency. Location of these valves are shown on the attached floor plan.

- 7. Please refer to the attached MSDS provided by the generators which lists the components of these solutions. These components are not listed as hazardous according to subparts C and D of section 261 of 40 CFR. Please keep in mind that when we generate our first sludge waste from the developer solutions we will test the waste to determine its characteristics. At that point we can better determine whether the constituent are listed or not listed RCRA.
- 8. An application for EPA number has already been submitted to the EPA.
- 9. The Technotreat equipment will be condensed as shown on the attached document. There will be no vapor vented into the atmosphere.
- 10. The final distilled water (after verification by testing) will be hauled by a licensed waste water transporter to the approved waste water treatment facility. Each shipment will be documented using the non-hazardous manifest system forms. Because our application to start the business is pending with the DER and the county we do not currently have a formal agreement with a POTW. We will have a formal agreement when the business starts.
- 11. We anticipate 55 gallons of waste to be generated for the first 6 months of the operation. However this quantity may change as explained earlier. This waste will be tested to determine its characteristic as a hazardous or non-hazardous waste and will be disposed off accordingly.
- 12. We are aware of the insurance concerns regarding the operation. We will submit the proof of insurance along with our application for status change when the operation advances.

### 13. Please see the revised Floor Plan.

In conclusion we would like to thank you for your cooperation in this matter and remind you that as it was explained in our previous correspondence we will have a meeting with the county board of adjustment on the 27th of January.

During our initial meeting with the county land management we were told that if the DER has no opposition to our operation there will be no opposition from the county.

Please review these responses and if they are satisfactory to you draft a letter indicating your recommendations to the county regarding our operation. We will be contacting you on thursday January 23rd to be able to respond to your other requests, if any. In the mean time please feel free to contact us at the following numbers if you have any questions:

Hamed Rafiee: (407) 482-6893 (Home)

(305) 946-9933 (Work)

Bahram Ahmadi: (305) 781-9390 (Home)

Sincerely Yours,

Hamed Rafiee

Bahram Ahmadi

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1) Holding tank for incoming Fixer Total Solution

2) Silver Recovery Units

3) Pumping Station

4) Elevated Tank Son See

 Jon Exchange Units 6) Holding Tank

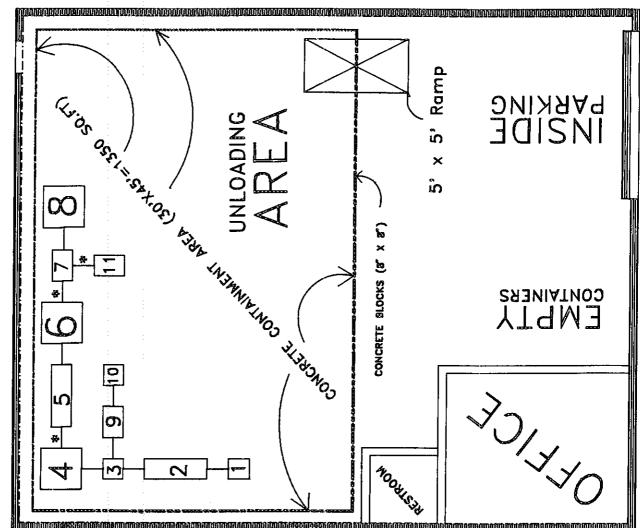
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7) Waste Water Seperator Unit 8) Holding Tank for Distilled Water 1000 Go

9) Silver Recovery Units

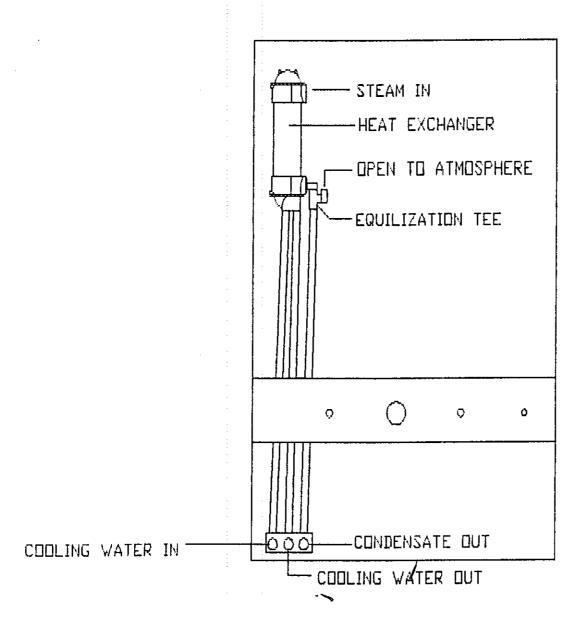
10) Holding Tank for Incoming Bleach Fix Solution 11) Holding Tank for Incoming Developer Same Solution

\*) Emergency valve



16' X 14' OH. DR.

### COMDENSER OPERATION



Steam produced in the T6000 is piped to a water cooled heat exchanger where it is condensed. Condensate exits the exchanger on the lower shell side where it is piped to the manifold plate at the lower left hand corner of the unit. The condensate line has an equalization tee to eliminate any back pressure within the steam/condenser line. A portion of this tee is open to atmosphere, therefore allowing a maximum of 2' head when condensate is running out of the line.

# AGENDA SEMINOLE COUNTY BOARD OF ADJUSTMENT 
TO WHOM IT HAY CONCERN.

NOTICE IS HERBY GIVEN THAT the Seminole County Board of Adjustment will conduct a public hearing to consider the following:

## CONSENT AGENDA

## VARIANCES

- LEONARD & PHYLLIS PAGLIARO BA92-1-4V Planned Unit Development Zone Rear yard setback variance from 15 ft. to 11.2 ft. for a proposed screen room on Lot 49, Aloma Bend, Tract IV, PB 42, Pg 49-53, Section 31-21-31; S side of Aloma Bend Lane, 1000 ft. E of Dean Road, and 1/4 mile S of SR-426. (DIST 1)
- 2. CLYDE WHITE. BA92-1-1V R-1 Residential Zone Side yard setback variance on west lot line from 10 ft. to 18 in. for a utility shed and second shed from 10 ft. to 1 ft. and side yard setback variance on east lot line from 10 ft. to 2 ft. for a utility shed on Lot 6, Block C, Little Wekiva Estates No. 1, PB 9, Pg 52, Section 9-21-29, N side of Richbee Drive and 400 ft. E of SR-434. [DIST 3]

# B. MOBILE HOME/A-1 AGRICULTURE ZONE

- . <u>MICHARL SHOWERS</u> BA92-1-7TE To place a mobile hone (Renewal) on Lot B-14 (Tax Parcel 77), Lake Harney Estates, Section 10-20-32; E side of Bee Lane and 1/2 mile S of East Osceola Road. (DIST 5)
- 2. ROBERT & FLORA HENDRICKSON BA92-1-2TE To place a mobile home (Reinstatement) on Tax Parcel 6, Section 29-20-33; N side of Prevatt Road and 3/8 mile N of SR-46. (DIST 5)
- 3. ROBERT & FLORA HENDRICKSON BA92-1-6TE To place a mobile home (Reinstatement) on Tax Parcel 6A, Section 29-20-33; N side of Prevatt Road and 3/8 mile N of SR-46. (DIST 5)
- 4. JAMES S. REGINA KINCAID BA92-1-5TE To place a mobile home on the N 106 ft. of the S 271 ft. of Lot 5, Block B, Brown's Subdivision of Beck Hammock, PB 1, Pg 83, Section 3-20-31; E side of Richmond Avenue and 500 ft. S of S3-46. (DIST 5)
- 5. M. LOUISE LEWIS BA92-1-3TE To place a mobile home on Lot 22, (Tax Parcel IK), Osceola Acres, Section 9-20-32; S side of Shawnee Trail and 1/4 mile W of Osceola Road. (DIST 5)

## REGULAR AGENDA

## VARIANCES

- KEN & GLENDA MERKINS BA92-1-3V Planned Unit Development Zone Side street setback variance from 20 ft. for a wooden fence on Lot 2, Block E, Sterling Park, Unit 3, PB 18, Pg 52-54, Section 15-21-30; NE corner of Eardpiper Drive and Redwing Way and 1-1/4 mile N of Redbug Lake Road. (DIST 1)
- 2. CARLOS M. RIOS BA92-1-2V R-1A Residential Zone-Side yard setback variance from 10 ft. to 2 ft. 3-1/2 in. and front yard setback variance to allow the shed to project beyond the main building line on Lot 1, Block 13, Eastbrook Subdivinion, Unit 5, PB 12, Pg 80 & 81, Section 14-21-30; NN corner of Chilean and Bouganvillea Drive, 550 ft. N of Eastbrook Boulevard and 3/4 mile S of Howell Branch Road. (DIST 1)

## HOBILE HOME/A-1 AGRICULTURE ZONE

- ROBERT 6 KATHLEEN JOHNSON BA92-1-4TE -To place a mobile home on the E 185.71 ft. of the N 3546 ft. of that part of Section 30-20-33 lying S of SR-46 less the S 30 ft. thereof; S side of SR-66 and N of Titusville Road and 1-1/2 mile E of Jungle Road. (DIST 5)
- 2. PAUL D. BEHNENDS BA92-1-1TE To place a mobile home (Renewal) on Lot 3, Block C, Browns Subdivision of Beck Hammock, PB 1, Pg 83, Section 3-20-31; S side of Jordan Road, 600 ft. W of Richmond Avenue and 1/4 mile S of SR-46. (DIST 5)

## C. SPECIAL EXCEPTIONS/OTHER

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- 2. MAL-HART STORES, INC. d/b/a SAH'S CLUB #8214 BA92-1-25E = C-2 Commercial fone Request a Special Exception to allow the sale of alcoholic beverages for off-premise consumption on Tax Parcel 25W, 25T and 25G, Section 17-21-30; NW corner of SR-436 and Pernwood Boulevard. (DIST 4)
- 3. ELDER HENRY BRADLEY, SR. BA92-1-1SE R-1 Residential Zone Request a Special Exception to permit off-street parking for an existing church on Lot 5 and 1/2 of vacated alley on east, Block 3, Lockhart's Subdivision, PB 3, Pg 70, Section 35-19-30; E side of Blackston Avenue, 360 ft. N of Huey Street and 1/4 mile E of Airport Boulevard. (DIST 5)

### MATERIAL SAFETY DATA SHEET EASTMAN KODAK COMPANY

Kodak Accession Number: 448589 Date of Preparation: 5/10/91 

PRODUCT INFORMATION

Product Name: KODAK RP X-OMAT Developer and Replenisher, Part A

Formula: Aqueous Mixture

Kodak Catalog Number(s): CAT 124 9259 - To Make 10 Gallons; CAT 171 6828 - To Make 20 Gallons; CAT 131 8989 - To Make 200 Gallons; CAT 138 2845 - To Make 4

**Gallons** 

Solution Number: 5468

F: 1 C: 0 S: 2 Kodak Hazard Rating Codes: R: 1

Manufacturer/Supplier: Eastman Kodak Company

343 State Street

Rochester, New York 14650

USA

For Emergency Information: (716) 722-5151

For other purposes, call the Marketing and Distribution Center in your area. 

COMPONENT INFORMATION

	Weight Percent	CAS Number	Accession Number
Water	60-65	7732-18-5	035290
Potassium sulfite	20-25	10117-38-1	907064
*Hydroquinone**	7	123-31-9	900356
*Potassium hydroxide	1-5	1310-58-3	901383
Diethylene glycol	1-5	111-46-6	902041
Sodium carbonate	1-5	497-19-8	900860
Sodium sulfite	1-5	7757-83-7	901148

\*Principal Hazardous Component(s)

\*\*Chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 & 40 CFR Part 372. 

### PHYSICAL DATA

Appearance and Odor: Clear, light yellow liquid; slight odor

Boiling Point: GT 100 C (GT 212 F) Vapor Pressure: ca. 18 mmHg @ 20 C

Evaporation Rate (n-butyl acetate = 1): Not Available

Vapor Density (Air = 1): ca. 0.6

Volatile Fraction by Weight: ca. 64 % Specific Gravity (Water = 1): 1.317

pH: 11.4

Solubility in Water (by Weight): Complete

GT = Greater than; LT = Less than

C-0131.400G

89-0061

### FIRE AND EXPLOSION HAZARD

FLASH POINT: None

EXTINGUISHING MEDIA: Water spray; Dry chemical; Carbon dioxide; 'Alcohol' foam SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Fire or excessive heat may cause

production of hazardous decomposition products.

### REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY: Strong oxidizers, Strong acids

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion will produce carbon dioxide and

probably carbon monoxide. Oxides of sulfur may also be present.

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: Will not occur.

### TOXICOLOGICAL PROPERTIES

### **EXPOSURE LIMITS:**

Component: Hydroquinone

ACGIH TLV: 2 mg/m3-TWA (ACGIH 1990-91)

OSHA PEL: 2 mg/m3-TWA

Component: Potassium hydroxide

ACGIH TLV: 2 mg/m3-ceiling (ACGIH 1990-91)

OSHA PEL: 2 mg/m3-ceiling

### **EXPOSURE EFFECTS:**

Inhalation: Low hazard for recommended handling.

Eyes: Causes irritation.

Skin: Causes skin irritation. May cause an allergic skin reaction.

Ingestion: HARMFUL IF SWALLOWED. May cause irritation of the

gastrointestinal tract.

### PROTECTION AND PREVENTIVE MEASURES

VENTILATION: Good ventilation\* should be sufficient. Supplementary ventilation or respiratory protection may be needed in special circumstances.

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\*Typically, 10 room volumes per hour is considered good general ventilation: ventilation rates should be matched to conditions of use.

SKIN AND EYE PROTECTION: Safety glasses with side shields are recommended. Impervious gloves should be worn. The routine use of a non-alkaline (acid) type of skin cleaner and regular cleaning of working surfaces, gloves, etc, will help minimize the possibility of allergic skin reaction.

C-0131.400G 89-0061

### STORAGE AND DISPOSAL

SPECIAL STORAGE AND HANDLING PRECAUTIONS: Keep from contact with oxidizing materials. Keep container tightly closed and away from acids.

SPILL, LEAK, AND DISPOSAL PROCEDURES: Flush material to an acid-free sewer with large amounts of water. Discharge, treatment, or disposal may be subject to federal, state, or local laws.

### FIRST AID

Inhalation: If symptomatic, remove to fresh air. Get medical attention if symptoms persist.

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.

Skin: Flush skin with plenty of water and wash with a non-alkaline (acid) type of skin cleaner. If skin irritation or an allergic skin reaction develops, get medical attention. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.

Ingestion: If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

### **ENVIRONMENTAL EFFECTS DATA**

This environmental effects summary is written to assist in addressing emergencies created by an accidental spill, which might occur during the shipment of this product, and in general, it is not meant to address discharges to sanitary sewers or publically owned treatment works.

Some laboratory test data and published data are available for the major components of this formulation. Although this product, as such, has not been tested for environmental effects, the data, mentioned above, have been used to provide the following estimates of potential environmental impact, in the event of an accidental spill: (1-12)

This chemical formulation is a strongly alkaline aqueous solution, and this property may cause adverse environmental effects. It is expected to have a moderate biological oxygen demand, and may cause oxygen depletion in aquatic systems. It is expected to have a high potential to affect aquatic organisms and a moderate potential to affect secondary waste treatment microorganisms and the germination and growth of some plants. The organic components of this chemical formulation are biodegradable and are not expected to persist in the environment. They are not likely to bioconcentrate. The direct instantaneous discharge to a receiving body of water of an amount of this formulation which will rapidly produce, by dilution, a final concentration of 0.05 mg/L, or less, is not expected to cause an adverse environmental effect. After dilution with a large amount of water, followed by secondary waste treatment, the chemicals in this formulation are not expected to have any adverse environmental impact.

C-0131.400G 89-0061 

### TRANSPORTATION

For Transportation information regarding this product, please phone the Eastman Kodak Distribution Center nearest you: Rochester, NY (716) 588-3536 or 588-3573 or 588-3505; Oak Brook, IL (312) 954-6000; Chamblee, GA (404) 455-0123; Dallas, TX (214) 241-1611; Whittier, CA (213) 945-1255; Honolulu, HI (808) 833-1661.

### REFERENCES

- 1. Unpublished data, Health and Environment Laboratories, Eastman Kodak Company, Rochester, NY.
- Verschueren, K., Handbook of Environmental Data on Organic Chemicals, Second Edition, Van Nostrand Reinhold Company, New York, NY, 1983.
- 3. Battelle's Columbus Laboratories, Water Quality Criteria Data Book Vol. 3 Effects of Chemicals on Aquatic Life Selected Data from the Literature Through 1968, for the U.S. Environmental Protection Agency, Project No. 18050 GWV, Contract No. 68-01-0007, May 1971.
- 4. National Association of Photographic Manufacturers, Inc. and Hydroscience, Inc., Environmental Effects of Photoprocessing Chemicals, National Association of Photographic Manufacturers, Harrison, NY, 1974, 2 Vols.
- 5. Kodak Publication J-41, BOD5 and COD of Photographic Chemicals, Eastman Kodak Co., 1981.
- 6. McKee, J.E. and Wolf, H.W., Eds., Water Quality Criteria, State of California, Publication No. 3-A, 1963.
- 7. Bringmann, G. and Kuehn, R., Z. Wasser Abwasser Forsch., 10(5), 161-6 (1977) (in German).
- 8. Bringmann, G. and Kuehn, R., Z. Wasser Abwasser Forsch., 15(1), 1-6 (1982) (in German).
- 9. Juhnke, I. and Luedemann, D., Z. Wasser Abwasser Forsch., 11(5), 161-4 (1978) (in German).
- 10. Wellens, H., Z. Wasser Abwasser Forsch., 15(2) 49-52 (1982) (in German).
- 11. DeGraeve, G.M., et al., Arch. Environ. Contam. Toxicol., 9, 557-68 (1980).

12. Pomona College, Medicinal Chemistry Project, Chemical Parameter Data Base, Leo, A.J. and Hansch, C., Eds., Seaver Chemistry Laboratory, Claremont, CA, June 20, 1987.

### PREPARATION INFORMATION

Health and Environment Laboratories Eastman Kodak Company

Rochester, New York 14650

The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.

C-0131.400G 89-0061

### MATERIAL SAFETY DATA SHEET EASTMAN KODAK COMPANY

Date of Revision: 05/14/91 Kodak Accession Number: 440512

PRODUCT INFORMATION

Product Name: KODAK RP X-OMAT Developer Replenisher, Part B

Formula: Aqueous Mixture

Product Use: Photographic processing chemicals for black and white film Kodak Catalog Number(s): CAT 124 9259 - To Make 10 Gallons; CAT 171 6828 -

To Make 20 Gallons; CAT 162 0509 - To Make 200 Gallons; CAT 831 7018

Solution Number: 5228

Kodak's Internal Hazard Rating Codes: R: 2 S: 3 F: 2 C: 0

Manufacturer/Supplier: Eastman Kodak Company

343 State Street

Rochester, New York 14650

USA

For Emergency Information: (716) 722-5151

For other purposes, call the Marketing and Distribution Center in your area.

COMPONENT INFORMATION

Accession Number Weight Percent CAS Number 900763 64-19-7 \*Acetic acid 75-80 92-43-3 902672 10-15 1-Phenyl-3-pyrozolidinone 7732-18-5 035290 5-10 Water

\*Principal Hazardous Component(s)

PHYSICAL DATA

Appearance and Odor: Clear orange solution; pungent acetic acid odor

Boiling Point: Not Available Vapor Pressure: 13.4 mmHg @ 20 C

Evaporation Rate (n-butyl acetate = 1): Not Available

Vapor Density (Air = 1): 1.66

Volatile Fraction by Weight: ca. 90 %

Specific Gravity (H20 = 1): 1.085

pH: LT 1.0

Solubility in Water (by Weight): Complete

GT = Greater than; LT = Less than

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### FIRE AND EXPLOSION HAZARD

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FLASH POINT: 51 C (123 F) Setaflash closed cup

EXTINGUISHING MEDIA: Water spray; Dry chemical; Carbon dioxide; "Alcohol"

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire exposed containers cool. UNUSUAL FIRE AND EXPLOSION HAZARDS: Fire or excessive heat may cause the production of hazardous decomposition products.

### REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY: Strong oxidizers, Strong alkali

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion will produce carbon dioxide and probably carbon monoxide.

HAZARDOUS POLYMERIZATION: Will not occur.

### TOXICOLOGICAL PROPERTIES

### **EXPOSURE LIMITS:**

Component: Acetic acid

ACGIH Threshold Limit Value (TLV): 10 ppm (ACGIH 1990-91)

OSHA Permissible Exposure Limit (PEL): 10 ppm

### **EXPOSURE EFFECTS:**

Inhalation: Vapor extremely irritating to respiratory tract.

Eyes: Liquid causes severe burns. Acetic acid vapor can cause eye irritation.

Skin: Causes severe burns.

Ingestion: HARMFUL IF SWALLOWED. May cause burns or severe irritation of the gastrointestinal tract.

### PREVENTIVE MEASURES

VENTILATION: Good general ventilation\* should be used. Local exhaust ventilation or an enclosed handling system may be needed to control air contamination.

\*Typically 10 room volumes per hour is considered good general ventilation: Ventilation rates should be matched to conditions of use.

RESPIRATORY PROTECTION: A NIOSH-approved organic vapor respirator should be worn if needed. If respirators are used, a program should be instituted to assure compliance with OSHA standard 29CFR 1910.134.

SKIN AND EYE PROTECTION: Safety goggles or a face shield should be worn. Impervious gloves and clothing should be worn.

### STORAGE AND DISPOSAL

SPECIAL STORAGE AND HANDLING PRECAUTIONS: Material is classified as a combustible liquid. Keep away from heat and flame. Keep from contact with oxidizing materials. Keep container tightly closed and away from alkali.

SPILL, LEAK, AND DISPOSAL PROCEDURES: Remove all sources of ignition.

Small Amounts - neutralize with baking soda (sodium bicarbonate and flush material to sewer with large amounts of water.

Large Amounts - absorb material in vermiculite or other suitable absorbent and place in impervious container. Dispose in an approved incinerator or contract with licensed chemical waste disposal agency.

Discharge, treatment, or disposal may be subject to federal, provincial, or municipal laws.

### FIRST AID

Inhalation: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes and get prompt medical attention.

Skin: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get prompt medical attention. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.

### ENVIRONMENTAL EFFECTS DATA

This environmental effects summary is written to assist in addressing emergencies created by an accidental spill, which might occur during the shipment of this product, and in general, it is not meant to address discharges to sanitary sewers or publically owned treatment works.

Some laboratory test data and published data are available for the major components of this formulation. Although this product, as such, has not been tested for environmental effects, the data, mentioned above, have been used to provide the following estimates of potential environmental impact, in the event of an accidental spill: (1-9)

This chemical formulation is a strongly acidic aqueous solution, and this property may cause adverse environmental effects. It is expected to have a high biological oxygen demand, and it may cause oxygen depletion in aquatic systems. It is expected to have a high potential to affect aquatic organisms and secondary waste treatment microorganisms. It is expected to have a moderate potential to affect the germination and growth of some plants. The components of this chemical formulation are biodegradable and are not expected to persist in the environment.

C-0131.600D 85-0105 They are not likely to bioconcentrate. The direct instantaneous discharge to a receiving body of water of an amount of this solution which will rapidly produce, by dilution, a final concentration of 0.6 mg/L or less is not expected to cause an adverse environmental effect. After dilution with a large amount of water, followed by secondary waste treatment, the chemicals in this formulation are not expected to have any adverse environmental impact.

### TRANSPORTATION

For Transportation information regarding this product, please phone the Eastman Kodak Distribution Center nearest you: Rochester, NY (716) 588-3536 or 588-3573 or 588-3505; Oak Brook, IL (312) 954-6000; Chamblee, GA (404) 455-0123; Dallas, TX (214) 241-1611; Whittier, CA (213) 945-1255; Honolulu, HI (808) 833-1661.

### REFERENCES

1. Unpublished data, Health and Environment Laboratories, Eastman Kodak Company, Rochester, NY.

- Verschueren, K., Handbook of Environmental Data on Organic Chemicals, Second Edition, Van Nostrand Reinhold Company, New York, N.Y., 1983.
- 3. Battelle's Columbus Laboratories, Water Quality Criteria Data Book Vol. 3 Effects of Chemicals on Aquatic Life Selected Data from the Literature Through 1968, for the U.S. Environmental Protection Agency, Project No. 18050 GWV, Contract No. 68-01-0007, May 1971.
- 4. National Association of Photographic Manufacturers, Inc. and Hydroscience, Inc., Environmental Effects of Photoprocessing Chemicals, National Association of Photographic Manufacturers, Harrison, New York, 1974, 2 Vols.
- 5. Kodak Publication J-41, BOD5 and COD of Photographic Chemicals, Eastman Kodak Co., 1981.
- 6. McKee, J.E. and Wolf, H.W., Eds., Water Quality Criteria, State of California, Publication No. 3-A, 1963.
- 7. Bringmann, G. and Kuehn, R., Results of Toxic Action of Water Pollutants on Daphnia magna (Straus) Tested by an Improved Standardized Procedure, Z. Wasser Abwasser Forsch., 15(1), 1-6 (1982) (in German).
- 8. Juhnke, I. and Luedemann, D., Results of the Study of 200 Chemical Compounds on Acute Fish Toxicity Using the Golden Orfe Test, Z. Wasser Abwasser Forsch., 11(5), 161-4 (1978) (in German).
- 9. Pomona College, Medicinal Chemistry Project, Chemical Parameter Data Base, Leo, A.J. and Hansch, C., Eds., Seaver Chemistry Laboratory, Claremont, California, June 21, 1985.

PREPARATION INFORMATION

Health and Environment Laboratories Eastman Kodak Company Rochester, New York 14652-3615

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C-0131.600D 85-0105

### MATERIAL SAFETY DATA SHEET EASTMAN KODAK COMPANY

Date of Revision: 05/06/91 Kodak Accession Number: 440513

### PRODUCT INFORMATION

Product Name: KODAK RP X-OMAT Developer Replenisher, Part C

Formula: Aqueous Mixture

Product Use: Photographic processing chemicals for black & white film

Kodak Catalog Number(s): CAT 124 9259 - To Make 10 Gallons; CAT 171 6828 -

To Make 20 Gallons; CAT 162 0509 - To Make 200 Gallons; CAT 841 4161

Solution Number: 5250

Kodak's Internal Hazard Rating Codes: R: 2 S: 3 F: 1 C: 0

Manufacturer/Supplier:

Eastman Kodak Company

343 State Street

Rochester, New York 14650

USA

For Emergency Information: (716) 722-5151

For other purposes, call the Marketing and Distribution Center in your area.

### COMPONENT INFORMATION

	Weight Percent	CAS Number .	Accession Number
Water	40-45	7732-18-5	035290
*Glutaraldehyde	40-45	111-30-8	908648
Acetic acid	5-10	64-19-7	900763
5-Nitroindazole	1-5	5401-94-5	904489

### \*Principal Hazardous Component(s)

### PHYSICAL DATA

Appearance and Odor: Yellow-green to orange colored solution; aldehyde odor

Boiling Point: GT 100 C (GT 212 F)

Vapor Pressure: ca. 18 mmHg @ 20 C

Evaporation Rate (n-butyl acetate = 1): Not Available

Vapor Density (Air = 1): ca. 1.8

Volatile Fraction by Weight: GT 95 %

Specific Gravity (H20 = 1): 1.127

pH: ca. 2.7

Solubility in Water (by Weight): Complete

GT = Greater than; LT = Less than

### FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: None

EXTINGUISHING MEDIA: Water spray; Dry chemical; Carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus

and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

### REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY: Strong oxidizers, strong alkali

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion will produce carbon dioxide and

probably carbon monoxide.

HAZARDOUS POLYMERIZATION: Will not occur.

### TOXICOLOGICAL PROPERTIES

### **EXPOSURE LIMITS:**

Component: Acetic acid

ACGIH Threshold Limit Value (TLV): 10 ppm-TWA, (ACGIH 1990-91)

OSHA Permissible Exposure Limit (PEL): 10 ppm-TWA

Component: Glutaraldehyde

ACGIH Threshold Limit Value (TLV): 0.2 ppm-TWA, Ceiling, (ACGIH 1990-91)

OSHA Permissible Exposure Limit (PEL): 0.2 ppm-TWA, Ceiling

### **EXPOSURE EFFECTS:**

Inhalation: Harmful if inhaled. Vapor extremely irritating to respiratory tract.

Eyes: Liquid causes severe burns. Vapor causes irritation.

Skin: Causes severe burns. May cause allergic skin reaction.

Ingestion: HARMFUL IF SWALLOWED. May cause burns or severe irritation of the

gastrointestinal tract.

### PREVENTIVE MEASURES

VENTILATION: Good general ventilation\* should be used. Local exhaust ventilation or an enclosed handling system may be needed to control air

contamination.

\*Typically 10 room volumes per hour is considered good general ventilation: Ventilation rates should be matched to conditions of use.

RESPIRATORY PROTECTION: A NIOSH-approved organic vapor respirator should be worn if needed. If respirators are used, a program should be instituted to assure compliance with OSHA standard 29CFR 1910.134.

SKIN AND EYE PROTECTION: Safety glasses goggles or faceshield should be worn. Impervious gloves and clothing should be worn.

### STORAGE AND DISPOSAL

SPECIAL STORAGE AND HANDLING PRECAUTIONS: Keep container tightly closed and away from alkali. Keep from contact with oxidizing materials.

SPILL, LEAK, AND DISPOSAL PROCEDURES: Flush material to sewer with large amounts of water. Discharge, treatment, or disposal may be subject to federal, provincial, or municipal laws.

### FIRST AID

Inhalation: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes and get prompt medical attention.

Skin: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get prompt medical attention. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes. If an allergic skin reaction develops, get medical attention.

### ENVIRONMENTAL EFFECTS DATA

This environmental effects summary is written to assist in addressing emergencies created by an accidental spill, which might occur during the shipment of this product, and in general, it is not meant to address discharges to sanitary sewers or publically owned treatment works.

Some laboratory test data and published data are available for the major components of this formulation. Although this product, as such, has not been tested for environmental effects, the data, mentioned above, have been used to provide the following estimates of potential environmental impact, in the event of an accidental spill.

This chemical formulation is a strongly acidic aqueous solution, and this property may cause adverse environmental effects if discharged directly to the environment without treatment. This chemical formulation has not been tested for environmental effects.

### TRANSPORTATION

For Transportation information regarding this product, please phone the Eastman Kodak Distribution Center nearest you: Rochester, NY (716) 588-3536 or 588-3573 or 588-3505; Oak Brook, IL (312) 954-6000; Chamblee, GA (404) 455-0123; Dallas, TX (214) 241-1611; Whittier, CA (213) 945-1255; Honolulu, HI (808) 833-1661.

PREPARATION INFORMATION

Health and Environment Laboratories Eastman Kodak Company Rochester, New York 14652-3615

The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must take independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.





### CRONEX High Stability Developer / Replenisher Part C

LITERATURE INFORMATION	MSDS Number	H - 15826 (8/89) (VAX P0000020)	
MATERIAL IDENTIFICATION	Product Name	CRONEX® High Stability Developer / Replenisher – Part C  Aquecus, aldehyde solution with bisulfite adduct	
	Chemical Family		
	Tradenames & Synanyms	HSD-C	A CONTRACTOR OF THE PROPERTY O
	DuPont Registry Number	DP415 - 08 - 1	
	Manufacturer/Distributor	E. I. du Pant de Nemours and Company 1007 Market Street, Wilmington, DE 19898	
: :	General Product Information (800) 441 - 7515		
	Transportation Emergency Phone	(800) 424 - 9300 (CH	EMTREC)
	Medical Emergency Phone	(800) 441 - 3637	
COMPONENTS	Material	CAS Number	Per Cent By Weight
	Glutaraldehyde-Bis-Potassium Bisulfite	68310 - 08 - 7	10 — 30
	Glutaraldehyde	111 - 30 - 8	5 <b>—</b> 10
	Water	<i>7</i> 732 – 18 – 5	60 <del>—</del> 100

PHYSICAL DATA	cific Gravity	1.08	
· . · · · · · · · · · · · · · · · · · ·	Solubility in Water	100 WT%	
	pH	5.3	
	Boiling Point	118° C (244°F)	
	Odor	Pungent.	
:	Form	Clear Liquid.	
	Color	Colorless.	
HAZARDOUS REACTIVITY	Instability	Stable.	
	Incompatibility	None reasonably foreseen.	
	Decomposition	Hazardous decomposition will not occur.	
	Polymerization	Polymerization will not occur.	
FIRE & EXPLOSION	Data	Flash Point: None.	
:	Hazards	None.	
	Extinguishing Media	Any applicable to primary cause of fire.	
	Special Fire Fighting Instructions	Evacuate personnel to a safe area. Kee personnel removed and upwind of fire. Wear self-contained breathing apparat	
HEALTH HAZARD INFORMATION	This product can be used safely when applicable precautions are followed.		
	Causes eye and skin irritation. Inhalation causes respiratory irritation. Inhalation, ingestion or skin absorption can result in systemic poisoning resulting in central nervous system disturbance.		

- Age			
TOXICITY DATA	Glutaraldehyde	Slightly toxic by inhalation. ALC (4 - hour): 5000 ppm in rats.	
		Moderately toxic by contact.  Dermal LD50: 2719 mg/kg in rabbits.	
		Moderately toxic by ingestion. Oral LD50: 233 mg/kg in rats.	
SYMPTOMS OF OVEREXPOSURE	Eye Irritation Respiratory Irritation Dermatitis Nausea Headache Drawziness Skin sensitization	Skin Irritation Mucous Membrane Irritation Coughing Dizziness Difficulty Breathing Abdominal Pain	
CARCINOGENICITY	None of the components in this product is listed by IARC, NTP, OSHA or ACGIH as a carcinogen.		
SAFETY PRECAUTIONS	Avoid breathing vapors or mist. Avoid contact with eyes. Avoid contact with skin. Avoid contact with clothing. Wash thoroughly after handling.		
EXPOSURE LIMITS	For CRONEX High Stability	ACGIH TIV®: None established.	
	Developer / Replenisher – Part C	OSHA PEL: None established.	
	For Glutaraldehyde	Du Pont AEL: None established.	
		ACGIH TLV:  •0.2 ppm. •0.7 mg/m³, (ceiling) 8 – hour TWA.	
		OSHA PEL:  •0.2 ppm.: •0.8 mg/m³ (ceiling)	
	("AEL" is Du Pont's Acceptable Exp mark of ACGIH for its Threshold Li Permissible Exposure Limit.)	posure Limit. "TLV" is a registered trade- mit Value. "PEL" is OSHA's term for	

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ration. If breathing is difficult, give oxygen. all a physician.

Skin Contact — Immediately wash skin with soap and plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician.

Eye Contact — — Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

Ingestion — — If swallowed, do not induce vamiling. Give large amounts of water. Never give anything by mouth to an unconscious person.

All cases of ingestion should be referred immediately to a poison control center or a physician, and vamiting should normally be initiated only on their advice and by the means they specify.

### PROTECTION INFORMATION

Generally Applicable Control Measures And Procedures Use only with adequate ventilation.
Keep container tightly closed. Do not store or consume lood, drink or tobacco in areas where they may become contaminated with this material.

Personal Protective Equipment

Eye/Face: Coverall chemical splash goggles.

Chemical cartridge respirator with organic vapor cartridges only in poorly ventilated areas.

Protective gloves: Use latex or neoprene gloves.

### DISPOSAL INFORMATION

Aquatic Toxicity - For Glutaraldehyde - 96 hour LC50: <0.5 mg/l (extremely toxic).

Spill, Leak or Release — Review fire and explosion hazards and safety precautions before proceeding with cleanup. Use appropriate personal protective equipment during cleanup. Dike the spill. Prevent liquid from entering sewers, waterways or low areas. Soak up with sawdust, sand, oil dry or other absorbent material.

Waste Disposal — — Cleaned-up material is a RCRA hazardous waste. Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State and Local regulations.

Remove nonusable solid material and / or contaminated soil for disposal in an approved and permitted landfill.

Discharge to sewer requires approval of permitting authority and may require pretreatment.

### SKIPPING INFORMATION

DOT:

Proper Shipping Name:

Corrosive liquid, NOS (Contains Glutaraldehyde)

Corresive Material

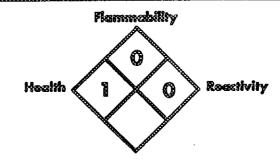
Hazard Class: UN/NA Number: DOT Label(s): DOT Placard:

UN 1760 Corrosive

### **STORAGE CONDITIONS**

Store in well-ventilated area. Keep container tightly closed. Do not store or consume food, drink or tobacco in area where they may become contaminated with this material.

### NFPA HAZARDOUS MATERIAL IDENTIFICATION SYSTEM



### DATA SHEET RESPONSIBILITY

Responsibility for this Material Safety Data Sheet resides with: CTC SHEA Office

CTC SHEA Office
Du Pont Medical Products
Chestnut Run Plaza --- 708
P.O. Box 80708
Wilmington, DE 19880 -- 0708
(302) 999 - 5420

For additional Material Safety Data Sheets, contact your Du Pont dealer or the Du Pont marketing service center which serves your area. Order MSDS number H - 14324 (8/89).

The data in the Material Safety Data Sheet relates only to the specific materials designated herein and does not relate to use in combination with any other material or in any process.

CRONEX<sup>®</sup> is a registered trademerk for Bu Pont x-ray films, screens, chemicals and equipment.







### CRONEX High Stability Developer / Replenisher Part B

LITERATURE INFORMATION	MSDS Number	H - 14325 (8/89) (VAX P0000017)	
MATERIAL IDENTIFICATION	Product Name CRONEX® High Stability Developer / Replenisher – Part B		
• : :	Chemical Family Acidic glycol—water mixture  Tradenames & Synonyms HSD - B		nixture
			• • • • • • • • • • • • • • • • • • • •
	DuPont Registry Number	DP415 - 07 - 0	
	Manufacturer/Distributor	E. I. du Pont de Nemours and Company 1007 Market Street, Wilmington, DE 19898	
	General Product Information (800) 441 - 7515  Transportation Emergency Phone (800) 424 - 9300 (CHEMTREC)		
			EMTREC)
	Medical Emergency Phone	(800) 441 - 3637	
COMPONENTS	Material	CAS Number	Per Cent By Weight
	Acetic Acid	64 - 19 - 7	40 <del> 7</del> 0
	Triethylene Glycol	112 - 27 - 6	15 — 40
	1-Phenyl-3-Pyrazolidone	92 - 43 - 3	5 — 10
	Water	<i>7</i> 732 - 18 - 5	10 30

H-14325 (8/89)

PHYSICAL DATA	( sific Gravity	1.1	
	Solubility in Water	100 WT%	
	pH	2	
	Boiling Point	120° C (248° F)	
	Odor	Vinegar (Threshold: 0.21 ppm).	
•	Form	Clear Liquid.	
	Color	Light Ambor.	
HAZARDOUS REACTIVITY	Instability	Stable.	
	Incompatibility	Incompatible with strong bases.	
	Decomposition	Decomposes by reaction with strong bases.	
	Polymerization	Polymerization will not occur.	
FIRE & EXPLOSION	Data	Flammable limits in air (% by Volume):  •LEL (triethylene glycal): 0.9 %.  •UEL (acetic acid): 16 %.	
		Flash Point: None.	
	Hazards	None.	
	Extinguishing Media	Any applicable to primary cause of fire.	
	Special Fire Fighting Instructions	Evacuate personnel to a safe area. Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus. Wear full protective equipment. Coal tank/container with water spray.	
HEALTH HAZARD INFORMATION	This product can be used sa precautions are followed.	fely when applicable	
	Causes eye and skin burns. Inhalation can cause sever respiratory irritation and dental erosion. Ingestion causes gastrointestinal corrosion.		

TOXICITY DATA	1—Phenyl—3—Pyrazolidone	Moderably toxic by ingestion. Oral 30: 200 mg/kg in rats.	
	Acetic Acid	Very low toxicity by inhalation. LC50 (1 - hr.): 5620 ppm in mice.	
		Moderately toxic by contact. Dermal LD50: 1060 mg/kg in rabbits	
		Slightly toxic by ingestion. Oral LD50: 3310 mg/kg in rabbits.	
	Triethylene Glycol	Very low toxicity by ingestion. Oral LD50: 19 g/kg in rats.	
SYMPTOMS OF OVEREXPOSURE	Eye Burns Respiratory Irritation Respiratory Edema Dermatitis Nausea	Skin Burns Mucous Membrane Irritation Coughing Difficulty Breathing Abdominal Pain Diarrhea	
CARCINOGENICITY	None of the components in this proor ACGIH as a carcinogen.	None of the components in this product is listed by IARC, NTP, OSHA or ACGIH as a carcinogen.	
SAFETY PRECAUTIONS	Avoid breathing vapors or mist. A with skin. Avoid contact with clot	Avoid breathing vapors or mist. Avoid contact with eyes. Avoid contact with skin. Avoid contact with clothing. Wash thoroughly after handling.	
EXPOSURE LIMITS	For CRONEX High Stability Developer / Replenisher - Part B	ACGIH TLV <sup>®</sup> : None established.  OSHA PEL: None established.	
: :	For Acetic Acid	Du Pont AEL:  •10 ppm, 8 - and 12 - hour TWA.	
:		ACGIH TLV:     8 — hour TWA:  10 ppm or 25 mg/m³.	
: :		∘STEL: 15 ppm or 37 mg/m³.	
		OSHA PEL:  •8 — hour TWA:  10 ppm or 25 mg/m³.	
	For Triethylene Glycol	Du Pont AEL: 2 ppm, 8 - hour TWA.	
		ACGIH TLV: None established.	
		OSHA PEL: None established.	

rst	

halation — Remove to fresh air. If r breathing, give artificial respiration. If breathing is difficult, give oxygen. Sall a physician.

Skin Contact — Immediately wash skin with soap and plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician.

Eye Contact — — Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

ingestion — — If swallowed, do not induce vamiting. Give large amounts of water. Never give anything by mouth to an unconscious person.

All cases of ingestion should be referred immediately to a poison control center or a physician, and vamiting should normally be initiated only on their advice and by the means they specify.

### PROTECTION INFORMATION

Generally Applicable Control Measures And Procedures Use only with adequate ventilation.
Keep container tightly closed. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

**Personal Protective Equipment** 

Eye/Face: Coverall chemical splash goggles.

Chemical cartridge respirator with organic vapor cartridges only in poorly ventilated areas.

Protective glaves: Use latex or neoprene glaves.

### DISPOSAL INFORMATION

Agreetic Toxicity - For Acetic Acid - Slightly toxic to flathead minnows. 96 hour LC50: 79 - 88 mg/l.

Spill, Lock or Release — Review fire and explosion hazards and safety precautions before proceeding with cleanup. Use appropriate personal protective equipment during cleanup. Remove sources of heat, sparks, flame, impact, friction or electricity. Dike the spill. Prevent liquid from entering sewers, waterways or low areas. Soak up with sawdust, sand, oil dry or other absorbent material. Neutralize with sodium bicarbonate.

Waste Disposal — — Cleaned-up material is a RCRA hazardous waste. Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State and Local regulations.

Recover nonusable free liquid and dispose of in an approved and permitted incinerator.

Remove nonusable solid material and / or contaminated soil for disposal in an approved and permitted landfill.

Discharge to sewer requires approval of permitting authority and may require pretreatment.

### SHIPPING INFORMATION

DOT:

Proper Shipping Name: Hazard Class:

UN/NA Number: DOT Label(s): DOT Placard: Ace cid Solution
Corrosive Material

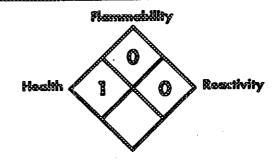
UN 2790 Corrosive Corrosive

### **STORAGE CONDITIONS**

Store in well-ventilated area. Store in coal place. Keep container tightly closed. Store in accordance with National Fire Protection Association regulations. Store in accordance with Federal regulations.

Do not store or consume food, drink or tobacco in area where they may become contaminated with this material.

### NFPA HAZARDOUS MATERIAL IDENTIFICATION SYSTEM



### DATA SHEET RESPONSIBILITY

Responsibility for this Material Safety Data Sheet resides with: CTC SHEA Office

CTC SHEA Office
Du Pont Medical Products
Chestnut Run Plaza — 7'08
P.O. Box 80708
Wileinston DE 18880 Of

Wilmington, DE 19880 - 0708 (302) 999 - 5420 For additional Material Safety Data Shoots, centact your Du Pent dealer or the Du Pent marketing service center which serves your area. Order MSDS number H - 14325 (8/89). The data in the Material Safety Data Sheet relates only to the specific materials designated herein and does not relate to use in combination with any other material or in any process.

CRONEX® is a registered tradsmark
For Du Pont
x-ray films, scrosss, chemicals and equipment.







### CRONEX High Stability Developer / Replenisher Part A

_	(VAX P0000016)	
Product Name	CRONEX <sup>®</sup> High Stability Developer / Replenisher – Part A	
Chemical Family	Aqueous, alkaline solution with sulfites	
Tradenames & Synonyms	HSD - A	
DuPont Registry Number	DP415 - O5 - 8	
Manufacturer/Distributor	E. I. du Pont de Nemours and Company 1007 Market Street, Wilmington, DE 19898	
General Product Information	(800) 441 - 7515	
Transportation Emergency Phone	(800) 424 - 9300 (CHEMTREC)	
Medical Emergency Phone	(800) 441 - 3637	
Material	CAS Number	Per Cent By Weight
Potassium Sulfite	10117 - 38 - 1	7 — 13
Hydroquinone*	123 – 31 – 9	5 — 10
Sodium Sulfite	7757 – 83 <i>–</i> 7	5 <del></del> 10
Potassium Carbonate	584 - 08 - 7	3 — 7
Potassium Hydroxide	1310 – 58 – 3	3 — 7
Water	<i>77</i> 32 - 18 - 5	40 — 70
	Chemical Family  Tradenames & Synonyms  DuPont Registry Number  Manufacturer/Distributor  General Product Information  Transportation Emergency Phone  Medical Emergency Phone  Material  Potassium Sulfite  Hydroquinone*  Sodium Sulfite  Potassium Carbonate  Potassium Hydroxide	Chemical Family Aqueous, alkaline solut Tradenames & Synonyms HSD - A  DuPont Registry Number DP415 - 05 - 8  Manufacturer/Distributor E. I. du Pont de Nemon 1007 Market Street, Wilmington, DE 1989  General Product Information [800] 441 - 7515  Transportation Emergency Phone [800] 424 - 9300 (CH Medical Emergency Phone [800] 441 - 3637  Material CAS Number  Potassium Sulfite 10117 - 38 - 1 Hydroquinone* 123 - 31 - 9  Sodium Sulfite 7757 - 83 - 7  Potassium Carbonate 584 - 08 - 7  Potassium Hydroxide 1310 - 58 - 3

PHYSICAL DATA	recific Gravity	1.2-1 ^
	Solubility in Water	100 WT%
	pH	11 — 12
	Boiling Point	110°C (230°F)
	Odor	Odorless.
	Form	Clear Liquid.
	Color	Colorless.
HAZARDOUS REACTIVITY	Instability	Stable.
	Incompatibility	Incompatible with strong acids and aluminum.
	Decomposition	Decomposes by reaction with strong acids.
	Polymerization	Polymerization will not occur.
FIRE & EXPLOSION	Data	Flash Point: None.
	Hazards	None.
	Extinguishing Media	Any applicable to primary cause of fire.
	Special Fire Fighting Instructions	Evocuate personnel to a safe area. Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus
HEALTH HAZARD INFORMATION	This product can be used safely when applicable precautions are followed.	
	Causes eye and skin irritation. Inhalation of mist or dried residue may cause respiratory irritation. Ingestion may cause gastrointestinal irritation.  Ingestion of hydroquinone can affect the central nervous system, can cause liver disease, can damage blood and bone marrow, and contact can cause skin and eye discoloration. Persons with existing liver or bone marrow	
	disease may be at increased risk systemic effects has been associa	of loxic effects. Mowever, none of mese

Hydroquinone	Moderately toxic by ingestion. Oral LD50: 320 mg/kg in rats.
Potassium Carbonate	Slightly toxic by ingestion. Oral LD50: 1870 mg/kg in rats.
Potassium Hydroxide	Moderately toxic by ingestion. Oral LD50: 365 mg/kg in rats.
Sadium Sulfite	Slightly toxic by ingestion. Oral ALD: 2825 mg/kg in rabbits.
Eye Irritation Respiratory Irritation Dermatitis Nausea Headache Weakness Incoordination Jaundice Cyanosis Ringing In The Ears	Skin Irritation Mucous Membrane Irritation Coughing Dizziness Shortness of Breath Abdominal Pain Diarrhea Excitation Thirst
None of the components in this product is listed by IARC, NTP, OSHA or ACGIH as a carcinogen.	
Avoid breathing vapors or mist. Avoid contact with eyes. Avoid contact with skin. Avoid contact with clothing. Wash thoroughly after handling.	
For CRONEX High Stability Developer / Replenisher Part A	ACGIH TLV®: None established.  OSHA PEL: None established.
For Hydroquinone	Du Pont AEL: None established.
	ACGIH TLV: 2 mg/m³, 8 - hour TWA.
	OSHA PEL: 2 mg/m³, 8 - hour TWA.
For Potassium Hydroxide	Du Pont AEL: None established.
	ACGIH TLV: 2 mg/m³, (ceiling).
-	Potassium Carbonate  Potassium Hydroxide  Sadium Sulfite  Eye Irritation Respiratory Irritation Dermatitis Nausea Headache Weakness Incoordination Jaundice Cyanosis Ringing In The Ears  None of the components in this pror ACGIH as a carcinogen.  Avoid breathing vapors or mist. A with skin. Avoid contact with clott  For CRONEX High Stability Developer / Replenisher Part A  For Hydroquinone

("AEL" is Du Pont's Acceptable Exposure Limit. "TLV" is a registered trademark of ACGIH for its Threshold Limit Value. "PEL" is OSHA's term for Permissible Exposure Limit.)

H-14324 (8/89) Page 3 of 6

FIRST AID	**************************************				
				All cases of ingestion should be referred immediately to a poison control center or a physician, and vemiting should normally be initiated only on their advice and by the means they specify.	
				PROTECTION INFORMATION	Generally Applicable Control Measures And Procedures
	Personal Protective Equipment	Eye/Face: Coverall chemical splash goggles.			
		Protective gloves: Use latex or neoprene gloves.			
DISPOSAL INFORMATION	Aquatic Texicity — — For Hydroquinone — 96 hour LC50: <0.5 mg/l (extremely toxic).				

Spill, Leak or Release — — Review fire and explosion hazards and safety precautions before proceeding with cleanup. Use appropriate personal protective equipment during cleanup. Dike the spill. Prevent liquid from entering sewers, waterways or low areas. Soak up with sawdust, sand, oil dry or other absorbent material. Neutralize with sodium bicarbonate.

Waste Disposal — — Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State and local regulations. Remove nanusable solid material and/or contaminated soil for disposal in an approved and permitted landfill.

Discharge to sewer requires approval of permitting authority and may require pretreatment.

For purposes of EPA SARA Title III: Hydroquinone (RQ  $\approx$  1 lb) concentration in this product (conc.): 0.485 lb/gallon.

#### **SHIPPING INFORMATION**

#### DOT

Proper Shipping Name: Hazard Class: UN/NA Number: DOT Label(s):

DOT Placard:

Potassium Hydroxide Solution

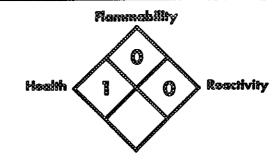
Corrosive Material

**UN 1814** Corrosive Corrosive

#### STORAGE CONDITIONS

Store in well-ventilated area. Keep container tightly closed. Do not store or consume food, drink or tobacco in area where they may become contaminated with this material.

#### NFPA HAZARDOUS MATERIAL **IDENTIFICATION SYSTEM**



#### DATA SHEET RESPONSIBILITY

Responsibility for this Material Safety Data Sheet resides with:

CTC SHEA Office

Du Pont Medical Products Chestnut Run Plaza --- 708 P.O. Box 80708

Wilmington, DE 19880 - 0708 (302) 999 - 5420

For additional Material Safety Data Sheets, contact your Du Pent dealer or the Du Pent marketing service center which serves your area. Order MSDS number H - 14324 (8/89).

The date in the Material Safety Data Sheet relates only to the specific materials designated herein and does not relate to use in combination with any other material or in any process.

CRONEX® is a registered trademark for Du Pont x-ray films, screens, chemicals and equipment.





#### Florida Department of Environmental Regulation

Central District

• 3319 Maguire Boulevard, Suite 232

Orlando, Florida 32803-3767

Lawton Chiles, Governor

Carol M. Browner, Secretary

January 15, 1992

Hamad Rafiee 9125 Tivoli Place Bocca Raton, FL 33434

OCD-HW-92-0003

Subject: Photographic Waste Control of Florida Pilot Plan

Dear Mr. Rafiee:

Ms. McGehee discussed your presentation with me and I have examined the information which you have submitted. We are very interested in the success of businesses which can reduce the amount of hazardous waste generated for disposal, provided such facilities operate within the regulatory frame work. Before we can respond to you in writing concerning the conditionally exempt small quantity generator exemption, we would need you to respond to the following concerns:

- 1. How would you determine that your customers are actually conditionally exempt and what documentation would you be able to provide to the Department inspectors?
- You should be aware that the hazardous waste treatment permitting process is both lengthy and expensive. We would need more specific information concerning your timetable for offering services to conditionally exempt and later to small quantity generators.
- 3. Transporters of this waste should be approved hazardous waste transporters. Please explain the meaning of "CDL licensed operators with hazardous waste endorsements".
- 4. We are concerned by your test methods to determine when silver recovery is complete. The regulatory limit of silver is 5 milligrams per liter while the literature you provide from DuPont addresses testing by silver strips and contains the notation that "silver test paper does not consistently identify silver in concentrations below 0.5 gm/L (500 milligrams)".

H. Rafiee
OCD-HW-92-0003
January 15, 1992

- 5. Will your process be continuous or operate in batches? How long would you store waste solutions before they will be processed? Please provide us an estimate of your anticipated volume, including potential customers by industry so that we may better evaluate your proposal.
- 6. Please describe your process more precisely including capacities of the holding tanks, method of operation (batch or continuous), more information on how you will determine that processed solution following silver recovery is no longer characteristic waste.
- 7. Please explain the basis for your statement "developer solution considered as a non-listed RCRA waste".
- 8. Will you be requesting an EPA Identification number? If not please explain your reasoning.
- 9. Clarification concerning the Separator Unit from Technotreat 6000 is requested. Please explain your plans regarding whether the equipment will be "vapor vented into the atmosphere or condensed".
- 10. The resulting water will be "hauled off for utility discharge", please clarify what will be the final destination for this material. Have you obtained any formal agreements with the Publicly Owned Treatment Works (POTW), or other companies that will perform this service.
- 11. What is the anticipated amount of waste generated form the process and how will that material be profiled? What methods (testing/generator knowledge, etc.) will determine the material hazardous/non-hazardous.
- 12. Please be aware of potential insurance concerns regarding your operation. If a permit is deemed necessary as the operation advances, proof of insurance is required as part of the permit application.
- 13. Please submit a more detailed floor plan indicating your "concrete containment area approved by the DER".

H. Rafiee OCD-HW-92-0003 January 15, 1992

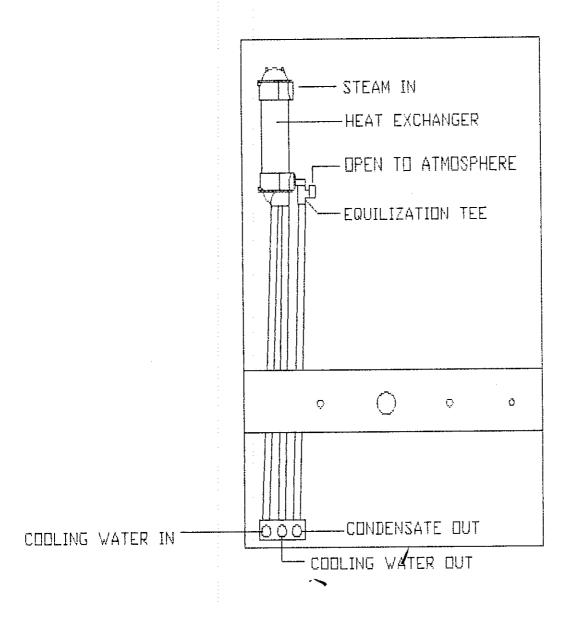
Please do not hesitate to contact the Hazardous Waste Section at (407) 894-7555 if you have questions.

Robert T. Snyder, P.E., Section Manager

Hazardous Waste Program

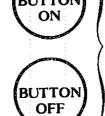
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### CONDENSER OPERATION



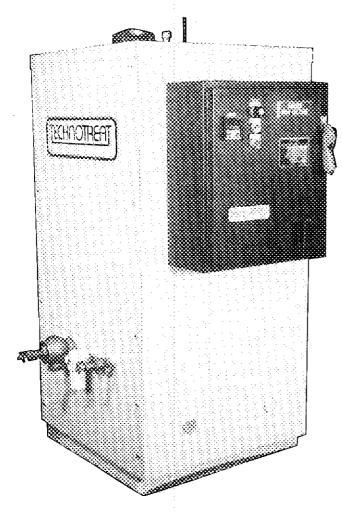
Steam produced in the T6000 is piped to a water cooled heat exchanger where it is condensed. Condensate exits the exchanger on the lower shell side where it is piped to the manifold plate at the lower left hand corner of the unit. The condensate line has an equalization tee to eliminate any back pressure within the steam/condenser line. A portion of this tee is open to atmosphere, therefore allowing a maximum of 2' head when condensate is running out of the line.

# ONE



# 95-98% Waste Reduction Considerable Disposal Savings

DISPOSAL COSTS and REGULATORY COMPLIANCE are important elements of your company's hazardous waste disposal. Don't pay for water to be hauled at \$0.50 to \$5.00 per gallon with the associated liabilities when TECHNOTREAT CORPORATION has the answer.



#### TECHNOTREAT 6000 WASTE WATER EVAPORATOR

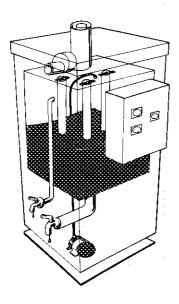
The Waste Water Evaporator is designed to reduce the disposal costs of small generators of hazardous waste. The T6000 will evaporate up to 100 gallons a day and reduce waste volume by 95-98%. The unit is filled by a self-priming pump, evaporated by stainless steel immersion heaters with the vapor vented into the atmosphere or condensed. The T6000 will automatically shut down if the waste water runs out or the temperature gets too high. It is easy to install, needs only 6 sq. feet of floor space and requires minimal maintenance.

A TECHNOTREAT 6000B WASTE WATER EVAPORATOR is available, similar in design but has the capability to evaporate 200 gallons a day with the same 95-98% waste volume reduction.

#### **APPLICATIONS**

- Machine Coolants
- Plating Wastes
- Parts Wash

- Paint Wash
- Ink Wastes
- Tumbling Water
- Chemical Solutions



#### **WASTE WATER EVAPORATOR**

Waste water is automatically fed into the evaporator by a feed pump from a drum or storage tank. The level is maintained by a level switch which activates the pump. Excess water is evaporated by electric immersion heaters. The generated steam is vented by an assisting electric blower. As water is evaporated, waste products are concentrated. Oil will float and can be drawn off the top periodically. Sludge and viscous materials are removed through a bottom drain. Additionally, the unit incorporates a removable top for easy, periodic cleaning.

#### **SPECIFICATIONS**

CAPACITY: T6000 @ 100 GPD/T6000B @ 200 GPD

VESSEL: Coal-Tar Epoxy Coated **HEATERS**: Stainless Steel Immersion POWER: 240.480 VAC; 12 KW

LEVEL SWITCHES: Magnetic-Float FEED PUMP: Electric Diaphragm BLOWERS: 60 cfm OUTLET: 2 inch, Concentrated Waste Draw — 3/4 inch Periodic Oil "Bleed-Off" INLET: 1/2 inch

#### **FEATURES**

- Insulated Tank Automatic Feed from Drum or Tank • 6 sq. ft. Floor Space Requirement • High-Temperature & Low Feed Shut-Offs
  - Powered Vent to Atmosphere Skid-Mounted
- Safe, Unattended Operation
- Immediate Installation
- Simple Operation & Maintenance

- No Permit Required
- Regulatory Compliance

#### **OPTIONS**

- ☐ Condenser (water or air cooled)
- ☐ Stainless Steel Vessel
- [] Titanium Heaters

#### BENEFITS

- ★95-98% Waste Reduction
- \*Reduce Disposal Costs

★ Reduce Liabilities

\*Reduce Volume

For more information, please contact:

TECHNOTREAT CORPORATION 6216 S. Lewis Ave. Tulsa, OK 74136 (918) 742-5052

ALTAMONTE SPRINGS HILTON AND Towers they have filed for they will generated) 2) My impression is they believe silver (LOII) is the only reason this waste would be hazardous. Fixer Solution Landines Squitable (Looi) Corrosive (1002) depending the products themselves. ( Developers - Fetroleum based?) 3) If they plan on using a C? Not Listed RCRA Waste Reservations 1-800-247-1985 • 407-830-1985

ALTAMONTE SPRINGS HIEFO AND Jowers Iransportation (4) (Ill vehicle operators will be Licensed operators w/ - Does CAL stand for What is meant by hazardous transassbul except They plan on assuring - Will they recycle the material until the reach gc. methods

1-800-247-1985 • 407-830-1985

#### 

# ALTAMONTE SPRINGS HILTON AND Jowers

Waste water Separator Unit from Technotreat 6000

"Evaporated by stairless steel immersion heaters with the vapor vented into the atmosphere or condensed"

- If they intend on eventually picking up from SQG's they should check air Section to see if a permit is required.

7) The resulting water hauled of to for utility discharge:

-? Do they mean a POTW or are they planning to release this to storm water drain? I remember him saying they were on a septic system and the mgs. would not allow them to discharge their "distilled water" to it.

> Reservations 1-800-247-1985 • 407-830-1985

#### 

# ALTAMONTE SPRINGS HILTON AND Towers

- 8) The remaining studge will be transferred to 55 gallon.
- They will have to profile this which I believe would trequire them doing a TCLP because of the various businesses they will be receiving it from Difficult to use generator Knowledge.
- De How often do they plan on Shipping is. - how much waste will they Severate in a month's of time.

Hould they be a Generator or SQG themselves and are they aware of the requirements of ealth?

(10) Ore there any insurance concerns regarding their operation?

Reservations 1-800-247-1985 • 407-830-1985

ALTAMONTE SPRINGS HILTON
AND Jowers Facility
(1) Concrete Containment area
approved by the DER? The
(1) Concrete Containment area approved by the DER? The Floor Plan is not very detailed.
are to repair leaking containers.
2 Spile Guns sound like they are to repair leaking containers.  -? what is material in container
is A001
(3) Spiels - first pH using what (paper/meters)?
(paper/meters)
is Acid/Agent A or Coustic/Agent
They are concerned of the material is Acid/Agent A or Caustic/Agent Shat if material is boo!, or toxic?
designated containers for
(14) Spill material transferred to designated containers for proper disposal — immediately? On will it be Stored?
Un will it be Stored:
Te chnotreat letter not signed
Te chnotreat letter not signed Nothing from POTW about receiving their "distilled water"
Reservations

1-800-247-1985 • 407-830-1985

Mairage of . 35 9999 ... see VII, COMES OF A CORRESPONDED AND THE STREET The Carlot of th



# Florida Department of Environmental Regulation

Lawton Chiles, Governor

Carol M. Browner, Secretary

January 2, 1992 .....

OCD-HW-92-0003

Hamad Raifiee 9125 Kimberly Place Bocca Raton, FL

Subject: Photographic Waste Control of Florida Pilot Plan

Dear Mr. Raifiee:

Ms. McGehee discussed your presentation with me and I have examined the information which you have submitted. We are very interested in the success of businesses which can reduce the amount of hazardous waste generated for disposal, provided such facilities operate within the regulatory frame work. Before we can respond to you in writing concerning the conditionally exempt small quantity generator exemption, we would need you to respond to the following concerns:

- 1. How would you determine that your customers are actually conditionally exempt and what documentation would you be able to provide to the department inspectors?
- You should be aware that the hazardous waste treatment permitting process is both lengthy and expensive. We would need more specific information concerning your timetable for offering services to conditionally exempt and later to small quantity generators.
- 3. Transporters of this waste should be approved hazardous waste transporters. Please explain the meaning of "------CDL licensed operators with hazardous waste endorsements." While the conditionally exempt generator may transport his own waste in small quantities, this exemption would not pass onto a transporter who will collect from numerous conditionally exempt generators possibly accumulating quantities of 300-500 gallons.

H. Raifiee OCD-HW-92-0003 Jan. 3, 1992



- 4. We are concerned by your test methods to determine when silver recovery is complete. The regulatory limit of silver is 5 milligrams per liter while the literature you provide from Dupont addresses testing by silver strips and contains the notation that "silver test paper does not consistently identity -----silver in concentrations below 0.5 gm/L (500 milligrams)".
- 5. Will your process be continuous or operate in batches? How long would you store waste solutions before they will be processed? Please provided us an estimate of your anticipated volume, including potential customers by industry so that we may better evaluate your proposal.
- 6. Please describe your process more precisely including capacities of the holding tanks, method of operation (batch or continuous), more information on how you will determine that processed solution following silver recovery is no longer characteristic waste.
- 7. Basis for your statement "developers solution considered as a not listed RCRA waste".

Sincerely,

Robert T. Snyder, P.E. Section Manager Hazardous Waste Program

RTS/1

#### December 26, 1991

Ms. Mary McGehee Department of the Environmental Regulation Orlando, Fl. 32803

CENTRAL STORIOA

Hamed Rafiee 9125 Tivoli Place Boca Raton, Fl 33434

Dear Ms. McGehee:

I would like to thank you wild him me the opportunity to meet with you on December 19th.

As we discussed in our meeting my intention is to start a business in reducing photographic hazardous waste produced by Conditionally Exempt Small Quantity Generators. The intended facility is to be located in the city of Longwood, Seminole County, Florida.

After my visit with you I went to the Land Management Department in Seminole County and submitted an application to the Seminole County Board of Adjustment. The meeting to request permission to conduct business in the intended facility is scheduled on January 27th. The Land Management Department has requested to receive either a permit or an exemption letter from the DER before making a recommendation to the Adjustment Board regarding our application. From my conversation with you, it is my understanding that since I am only working with Conditionally Exempt Small Quantity Generators, we only need an exemption letter.

As you requested during our meeting I am submitting the enclosed documents for your review. They contain the Pilot Plan. Floor Plan and Equipment documents. I will contact you in early January to see if you require further information in preparing the exemption letter. Please feel free to contact me at (407) 482-6893, if you have any questions.

Thank you in advance for your cooperation in this matter.

Sincerely,

Hamed Rafiee

# Photographic Waste Control of Florida, Inc.

Protecting you and the Environment.

High Street Trade Center 1943 High Street Phone: (407) 482-6893

Longwood, Fl. 32750

Phone: (305) 781-9390

Pilot Plan



PREPARED BY

**Hamed Rafiee** and **Bahram Ahmadi** 

**SUBMITTED TO** 

The Department of Environmental Regulation

12/26/91

#### GENERAL INFORMATION

The Photographic Waste Control Inc. will, originally, provide services to the Conditionally Exempt Small Quantity Generators of x-ray and photographic waste solutions to insure proper disposal of their waste according to federal, state and county regulation. These services will be extended to the Small Quantity Generators when the necessary permits, from the Department of the Environmental Regulation, are obtained.

Two types of solutions will be treated by the Photographic Waste Control Inc. These solutions are commercially called <u>Fixer solution</u> or Finishers and <u>Developer solution</u>.

Fixer solution is considered as <u>Hazardous Waste (EPA Code D011)</u> due to its heavy silver content. Developer solution is considered as a <u>Not Listed RCRA Waste</u>, however it has recently been regulated by the Department of the Environmental Regulation for no discharge.

The general scope of the services provided by the Photographic Waste Control, Inc. are presented in the following order.

- 1- Transportation
- 2- Processing
- 3- Facility

#### 1-TRANSPORTATION

The Photographic Waste Control, Inc. will supply the generators with corrosive resistance and D.O.T. approved containers to insure proper storage and transportation.

Before shipment all generators will receive a hazardous waste manifest (EPA Form 8700-22) for their records. The manifest will show the type of solution being transported as either Hazardous Waste Liquid NOS D011 ORM-E NA9189 (FIXER), or Not Listed RCRA Waste (DEVELOPER). Although The manifest system is not required to be used for the Conditionally Exempt Small Quantity Generators it will be used for record keeping purposes.

All vehicles will be equipped with an emergency spill control kit to be used at times of emergency and all vehicle operators will be CDL Licensed operators with Hazardous Waste endorsements.

#### 2-PROCESSING

Upon arrival, the waste solutions will be delivered to the unloading area. The solutions are separated in two categories of Silver Bearing (Fixer Solution) and Not Listed RCRA Waste (Developer Solution).

#### **Fixer Solution**

Upon arrival, Fixer solution and bleach fixer solution will be transferred to their respective silver recovery tanks connected to an automated system. This system will transfer the solutions to the primary silver unit, tailing recovery unit and the lon Exchange Units (See the attached DU PONT SILVER MANAGER literature). The lon Exchange Units will reduce the silver content of the solution to achieve the standards set forth by federal, state and local authorities. The outcoming solution will be tested periodically by analytical methods for quality control purposes. When the silver recovery operation is completed the remaining solution is processed as a Not Listed RCRA Waste (Developer Solution).

#### Developer Solution

Developer solution contain approximately 85 percent water. These solutions are transferred to holding tanks connected to a Waste Water Separator Unit (See the attached literature from TECHNOTREAT). This unit will separate the water from other components. The resulting distilled water will be accumulated in a holding tank and will be hauled for utility discharge. The remaining sludge will be transferred to 55 gallon lined drums to be shipped for proper off-site disposal.

#### 3-FACILITY

- 1) All chemicals will be stored and processed inside the warehouse within the concrete containment area approved by the Department of the Environmental Regulation (See the attached Floor Plan).
- 2) All containers, used for transportation and processing, will be labeled properly for identification and will be inspected daily for leaks.
- 3) Spill Guns will be mounted on the walls to be used for any container leaks.
- 4) Spill-x agents will be used If a spill occurs, The personnel at the facility will first PH the spill to find if the spill is acidic or alkaline. Upon determination of the PH, agent A (for acid spills) or agent C (for caustic spills) will be applied for neutralizing and solidifying before clean up. After application of the proper agent, the solidified material will be swept up and transferred to the designated containers for proper off-site disposal.

# FLOOR PLAN

50°

1) Holding tank for incoming Silver Solution

2) Silver Recovery Units 3) Pumping Station

4) Elevated Tank

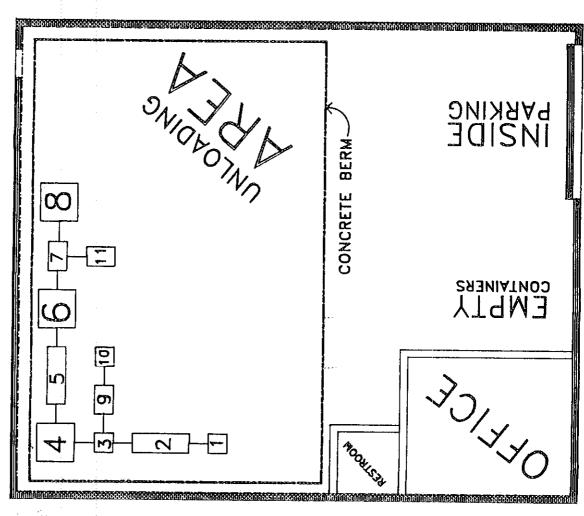
5) Ion Exchange Units 6) Holding Tank

7) Waste Water Separator Unit 8) Holding Tank for Disstilled Water

1000 mg

9) Silver Recovery Units

10) Holding Tank for Incoming Bleach Fix Solution 11) Holding Tank for Incoming Developer Solution



16' X 14' OH. DR.



October 16, 1991

Bahram Ahmadi 708 N.W. 47th St. Pompano, FL

Dear Bahram:

Thank you for your call regarding the use of our Technotreat 6000 Evaporator for reducing the volume of your photo waste water. I would suggest you neutralize any acid solutions before evaporation to prevent the formation of volatile acids. Our largest evaporator will evaporate 200 gallons per 24 hours. It can be retrofitted with either a water or air cooled condenser. The distilled water could either be recycled or sewered, but with the condenser, there would be no air emission.

Please note the enclosed drawing and price list. Financing is available from Pioneer Leasing. An application is enclosed.

Since you already have experience in evaporators, you understand it is an effective method of reducing volume. Chemical treatment is difficult because the photo salts are very soluble. Other than neutralization, I do not know of another way of treating this mixture.

Sincerely, for TECHNOTREAT CORPORATION

Richard J. Bigda, P.E. President

RJB/a encl.

# DU PONT RECOVERY CARTRIDGE



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#### DuPont ~LVER MANAGER™ Cartridge Installation Instructions

#### INTRODUCTION

The SILVER MANAGER™ Cartridge recovers silver from spent fixer. Intended to be a primary recovery system, the SILVER MANAGER™ system is normally connected directly to a film processor or fixer holding tank. The SILVER MANAGER™ system operates on the metallic-replacement principle, enhanced with DuPont technology.

A typical installation uses two SILVER MANAGER™ Cartridges in series. When the lead cartridge approaches depletion (determined by a quick, weekly test) you remove it from service and replace it with the "second" cartridge. A replacement cartridge (a spare should be kept on site) is installed as the new "second" cartridge in the series. This rotation protects you from silver loss to your drain while making the best use of cartridge capacity.

A videotape explaining the installation and operation of the SILVER MANAGER<sup>™</sup> Cartridge may be obtained by calling your local dealer or customer service.

#### INSTALLATION

- Unpack each SILVER MANAGER™ cartridge and verify receipt of the following items:
  - o SILVER MANAGER™ cartridge with instructions
  - o Plastic bag and closure tie

Other components available from your dealer or customer service:

- o Installation Parts Kit which contains:
  - Ten feet of PVC flex-tubing (3/4" OD; 1/2" ID)
  - Quick-Disconnect tool
  - Two Quick Disconnect washers
  - Four Quick Disconnect barbed stems
  - Four plastic clamps
  - Sample Valve (Pre-assembled)
  - Two 90 Degree Quick Disconnect Elbows
- o Training Video
- o Silver Test Paper

# DuPont SILVER MANAGER™ Cartriages Installation Instructions

NOTE: If possible, play the video before proceeding.

- 2. Inspect the fixer outlet hose at the processor (or holding tank). If it is not the same size as the PVC tubing supplied with the cartridge, then install an adapter to make it compatible. For most installations, the barbed stem provided in the Installation Kit should serve as an adapter, if not, then one can be obtained by calling your dealer or customer service. THESE UNITS ARE DESIGNED FOR FIXER ONLY. If your processor has not been modified to accommodate silver recovery, please do so before installing these units.
- 3. The SILVER MANAGER™ Cartridge is a gravity-flow device, so several inches of liquid head pressure is required to induce flow. Be sure that the processor overflow liquid level is higher than the following minimums, with the cartridge resting on the same floor or platform as the processor: 12.0 inches for the SMC-4; 17.25 inches for the SMC-7; and 28.0 inches for the SMC-11. This will prevent liquid from backing up into the processor. Ensure that the cartridge OUTLET port is higher than the drain, and that the drain is not plugged.
- 4. Using the supplied Quick Disconnect Tool, remove the plugs from the cartridge INLET, OUTLET & VENT ports. Press the locking collar into the female fitting, and then pull the plugs out of the locking ring while continuing to press in on the locking collar. DO NOT FORCE OUT THE PLUGS WITHOUT USING THE TOOL, AS EXCESSIVE FORCE MAY CAUSE BREAKAGE. Save these plugs to seal the cartridge when shipping for processing. Store them in the box with the replacement cartridge. See instructions (Page 11) for use of the Quick Disconnect Tool.

NOTE: The locking collar may be fitted with a Quick Disconnect Washer. These plugs may be removed without the use of the Quick Disconnect Tool. See instructions (Page 11) for use of the Quick Disconnect Washer.

5. For each SILVER MANAGER™, connect the PVC tubing (provided) to the cartridge INLET & OUTLET ports using the barbed stem connectors. Since the stem connectors will simply push into the fittings, the Quick-Disconnect tool is not required. See instructions (Page 11) for fitting use.

# DuPont SILVER MANAGER™ Cartriages Installation Instructions

6. Cartridges must be pre-filled to work properly. If not pre-filled, there is risk of affecting cartridge efficiency.

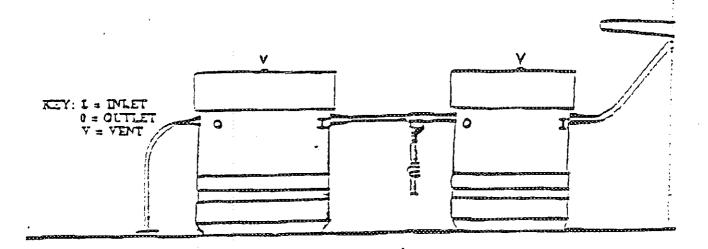
Pre-fill the entire cartridge system with cold water through the first cartridge INLET. Fill the system SLOWLY to prevent overflowing cartridges through the vent ports. For pre-filling, temporarily adapt a section of the hose (from the Installation Kit) to a faucet. This hose will later be used as the drain hose as the installation is completed. The cartridges are pre-filled when water flows from the cartridge OUTLET. If the cartridges could not be filled in-place, reinsert shipping plugs when transporting cartridges to their permanent sites.

DO NOT PRE-FILL ANY SPARE CARTRIDGES. LEAVE THEM IN THEIR ORIGINAL CARTONS UNTIL NEEDED. THESE CARTONS MAY BE USED LATER TO RETURN DEPLETED CARTRIDGES.

7. Place the cartridges in their final positions and connect them with the tubing and stem connectors and sample valve provided (with the OUTLET of the first position cartridge connected to the INLET of the second using the sample valve). Use the plastic clamps to firmly attach the tubing to the stem connectors. Tighten all clamps with pliers.

NOTE: Cut all tube lengths to minimize the length and sag of the tubing. This helps prevent bubble entrapment, which could restrict fixer flow.

- 8. Connect the processor (or holding tank) outlet hose to the INLET of the first cartridge, using the plastic stem connector secured with a plastic clamp.
- 9. Run enough fixer through the system to check for tubing leaks and positive flow to the drain. Repair leaks if necessary.



#### SPECIAL INSTALLATION NOTES

- 1. Be sure cartridges are correctly connected so that fixer flows into the INLET port and out the OUTLET port. (Otherwise, cartridge effectiveness will be severely reduced.)
- 2. Sample valves are pre-assembled and ready to connect to the OUTLET of the first cartridge and the INLET of the last cartridge. See page 12 for use of the sample valve.
- 3. Fixer samples can be taken between cartridges by either:
  1) Using the #2 cartridge inspection port for sampling (see Page 6 "special notes"), or 2) using sample valves (see Page 12).
- 4. SMC-4 cartridges may be stacked two-high (to save floor space) if the processor overflow is greater than 27 inches above the floor. Use the stacking kit components to connect the two cartridges together. Please call your local dealer or customer service to obtain these components.

# DuPont SILVER MANAGER™ Cartridges Installation Instructions

#### DEPLETION-TESTING OF SILVER MANAGER™ CARTRIDGE

- 1. Cartridge system maintenance requires periodic testing with teststrips sensitive to ionic silver. Please refer to the enclosed instructions for Silver Test Paper (Page 10).
- 2. A cartridge is considered depleted when the OUTLET fixer silver content is 1.0 gm/l or higher. NOTE: Silver test paper will not readily identify fixer silver concentrations below 0.5gm/l. For greater precision, analytical methods (such as Atomic Absorption Spectroscopy) are required.
- 3. DuPont now offers SILVER CERT<sup>TM</sup>, a service for determining ionic silver concentrations in photographic fixer and washwater. (See page 13 for more information on SILVER CERT<sup>TM</sup>).
- 4. Follow the test-paper instructions on the package to evaluate silver content. Note that the test-strips are only valid for a limited time after being dipped in fixer. The resulting color will drift over time, so once the strips are used, they cannot be saved for later evaluation.
- 5. Additional silver test paper is available from DuPont and can be obtained by calling your local dealer or customer service.

SPECIAL NOTE: Use of sample valves is recommended, if not used then another option is to dip the test strips directly into the fixer through the 2 inch Inspection Port, as follows:

# DuPon SILVER MANAGER™ Cartrages Installation Instructions

- O Unscrew the plug in the Inspection Port on the second (trailing) cartridge (the liquid at the top of the second cartridge is the effluent fixer from the first cartridge).
- O Using long tweezers or pliers, grip the test-strip securely and dip it into the liquid directly beneath the Inspection Port.
- o Follow the test-paper instructions on the package to evaluate silver content.
- o Screw the plug back into the Inspection Port.

#### **ROTATION OF CARTRIDGES**

NOTE: We recommend using an SMC<sup>TM</sup> Draining Pump for cartridge rotations, to minimize the time and effort required. A separate procedure for cartridge rotation is used with the SMC<sup>TM</sup> Draining Pump. The SMC<sup>TM</sup> Draining Pump can be obtained by calling your local dealer or customer service.

#### PROCEDURE FOR ROTATION OF THE SMCTM (Without Pump)

- 1. When testing indicates that the cartridge is ready for rotation, disconnect the #1 (lead) cartridge from the processor.
- 2. Move the second cartridge in the system into the lead position and reconnect the processor to the INLET of this cartridge. Leave the existing drain line in place.
- 3. Connect the water supply to the INLET of the harvested cartridge. Connect the OUTLET of this cartridge to the INLET of the new cartridge to be installed.
- 4. Slowly flush water through the harvested cartridge until the new cartridge is filled. (This step eliminates pre-filling the new cartridge with water).

# DuPont SILVER MANAGER™ Cartridges Installation Instructions

- 5. After the new cartridge has filled with liquid, turn off the water supply and disconnect all hoses. (It may be necessary to utilize the shipping plugs at this time to prevent spillage during transport of the cartridge).
- 6. Move the new cartridge to the processing area and install in the #2 (trailing) position, utilizing all the hoses and valves from the original system.
- 7. Locate the harvested cartridge to be returned near a drain, install the shipping plugs into the INLET and OUTLET ports of this unit, leaving the vent port open. Allow the cartridge to sit for 24 hours.
- 8. At the end of the 24 hours, remove the plugs from the cartridge and slowly tip the INLET port of the cartridge over the drain. (Doing this slowly prevents the agitation of any solids which may have been collected in the cartridge). Allow the liquid from the cartridge to drain slowly until the first sign of color change. The liquid will change from clear in color to grayish/black.

NOTE: If the cartridge does not drain adequately, then also try draining through the OUTLET port.

- 9. Return the cartridge to it's upright position and re-install the shipping plugs into all ports (INLET, OUTLET & VENT). Also make sure that the Inspection Port plug is secure (tight).
- 10. Sign and date the return label on the cartridge to verify that the cartridge has been FLUSHED and DRAINED in accordance with these instructions.

WARNING: To ensure this unit is RCRA non-hazardous after use, it MUST be FLUSHED and DRAINED prior to return shipment.

11. The cartridge is now ready for packaging and return shipment for processing.

# DuPone SILVER MANAGER™ Cartriages Installation Instructions

# PROCEDURE FOR ROTATION OF THE SMC™ (with pump)

- 1) When testing indicates that the cartridge is ready for rotation, disconnect the lead (#1) cartridge system from the processor.
- 2) Slowly pump the contents of the #1 (lead) cartridge to be harvested into the #2 cartridge in the series. (See SMC™ Draining Pump instructions for use)
- 3) Disconnect the #1 (lead) cartridge to be harvested from the #2 cartridge and locate the #1 cartridge near a water supply. Move the #2 cartridge in the system into the lead position and reconnect the processor to the INLET of this cartridge.
- 4) Connect the water supply to the INLET of the harvested cartridge. Connect the OUTLET of this cartridge to the INLET of the new cartridge to be installed.
- 5) Slowly flush water through the harvested cartridge until the cartridge is filled (liquid is seen overflowing into the new cartridge).
- 6) Disconnect the water supply from the harvested cartridge. Pump the liquid from the harvested cartridge into the new cartridge.
- 7) After the new cartridge has filled with water, disconnect all hoses. (It may be necessary to utilize the shipping plugs at this time to prevent spillage during transport of the cartridge)
  - 8) Move the new cartridge to the processing area and install it in the #2 (trailing) position utilizing all the hoses and valves from the original system.
  - 9) Prepare the harvested cartridge for shipment by installing all the shipping plugs. Also make sure the inspection port is secure (tight).
  - 10) Sign and date the label on the cartridge to verify that the cartridge has been FLUSHED and DRAINED in accordance with these instructions.

# DuPont SILVER MANAGER™ Cartriages Installation Instructions

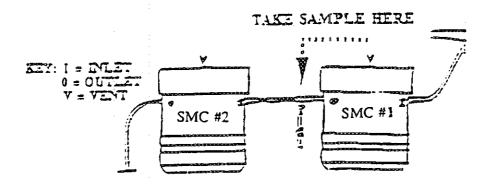
11. The cartridge is now ready for packaging and return shipment for processing.

#### SHIPMENT OF CARTRIDGES

- 1. Re-use all box materials from the new replacement cartridge to pack the harvested cartridge.
- 2. Be sure all three ports (INLET, OUTLET & VENT) are plugged. Also make sure the Inspection Port plug is secure (tight).
- 3. Unfold and open the plastic return shipping bag and place it into the empty shipping container.
- 4. Place the cartridge into the plastic return shipping bag.
- 5. Pull the plastic bag up around the cartridge; now gather the bag as tightly as possible at the vent port, twist, and seal with the tie-wrap provided.
- 6. Place the shipping carton lid onto the carton and seal for shipment.

#### IMPORTANT:

The cartridge box and packing material is designed specifically to protect the cartridge in transit. Call your dealer or our customer service department to purchase a replacement box if needed. DO NOT SHIP A CARTRIDGE WITHOUT FIRST PACKING IT IN A DUPONT CARTRIDGE BOX CONTAINER.



- Perform this test near the end of a typical operating period (4-6 hours running). Be sure that the processor is actively replenishing fixer.
- 2) Take a 20 ml sample from the OUTLET line of the first cartridge as shown in the above diagram.
- Briefly dip a test strip into the sample. Wait thirty (30) seconds and then read the silver result (see Step #4 below).

NOTE: Do not let the strip "age" more than 30-40 seconds, as the color indication tends to decay with time. It also follows that the test strips cannot be saved for later evaluation.

Compare the strip's color against the color chart on the side of the strip container. If the silver reading is 1.0 gm/L Ag+ (or higher), then the first cartridge in the series is ready for removal.

NOTE: Silver test paper does not consistently identify ionic silver in concentrations below 0.5 gm/L.

5) Flush and rotate the Silver Manager<sup>™</sup> system according to the carπidge rotation procedure provided on page 6.

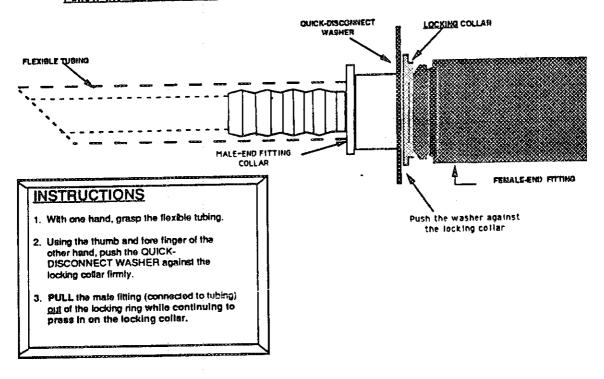
NOTES: SILVER MANAGER™ cartridges remove silver from fixer solutions by substituting iron in the solution as silver is removed. The last cartridge provides protection against silver passage to the drain. Once silver is detected in the OUTLET of the first cartridge, it is time to rotate the system to refresh this "last-cartridge protection".

## C'LVER MANAGER™ QUICK-DISCONNECT FITTINGS

....

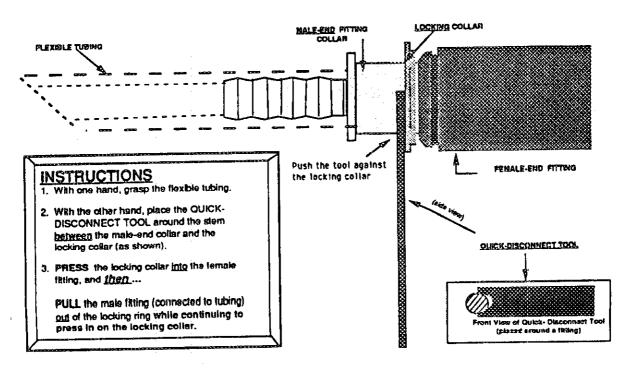
The Quick-Disconnect Washer is designed to hold the Locking Collar EVENLY while pulling out the Male-End Fitting. (Holding the Locking Collar on one side is <u>inadequals</u> since the collar will twist and continue to hold on to the male-end fitting.)

Follow the THREE-STEP INSTRUCTIONS below.



The Quick-Disconnect Tool is designed to hold the Locking Collar EVENLY while pulling out the Male-End Fitting. (Holding the Locking Collar on one side is inadequate since the collar will twist and continue to hold on to the male-end fitting.)

Follow the THREE-STEP INSTRUCTIONS below.

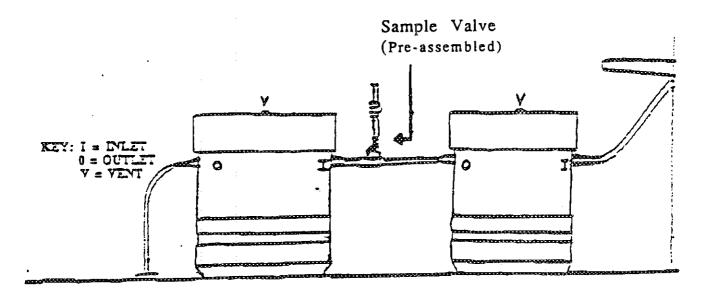


# SMC™ SAMPLE VALVE ASSEMBLY Installation Instructions

- 1. After attaching the processor fixer overflow hose to the INLET of the lead (#1) cartridge, insert one stem connector on the Sample Valve assembly into the OUTLET of the lead (#1) cartridge and the other end of the sample valve assembly into the INLET of the second cartridge.
- 2. The Sample Valve is now ready for use.

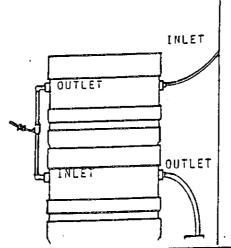
NOTE: When not in use, the Sample Valve tube should always be oriented in a vertical (upright) position and the surgical clip closed. This prevents old fixer from settling in the closed portion of the valve.

3. To use, rotate the valve body so that the stem is pointing down. Next, open the white surgical hoseclamp and draw a 20-30 ml. sample into a small clean container. Finally, close the tubing shutoff clamp and return the stem to its upright (storage) position.



Instructions for:	SMC™ STACKING KIT
For use with:	4-Gallon Size only!

- 1. Pre-fill cartridges and move to processing location.
- 2. Place the first SMC in the desired location and remove the VENT plug.
- 3. Now place the second cartridge on top of the first SMC. Make sure that the OUTLET of the top cartridge lies directly above the INLET of the lower cartridge. Both of these ports should also be facing front, or to an accessible side location.
- 4. Install one of the 90 Degree Quick Disconnect Elbow into the OUTLET of the top SMC and the other elbow into the INLET of the bottom SMC.
- 5. Next, install the Sample valve Assembly into these elbow fittings.
- 6. Connect the processor fixer overflow line to the INLET of the top cartridge, and the drain hose to the OUTLET of the bottom unit, and route this hose to the drain.
- 7. This confiduration is not applicable to Day-Lite Processors such as the Du Pont QC1-RT or the Kodak M-7. This is due to the units being very low profile.



# Du Pont SILVER CERTTM METAL CERT<sup>TM</sup>

# **Analytical Services**

Du Pont now offers SILVER CERT™ & METAL CERT™ a service for determining ionic silver concentrations in photographic fixer and washwater. SILVER CERT™ & METAL CERT™ follow the EPA guidelines for metals analyses of photographic effluent, and is run at our EPA certified laboratory.

The SILVER CERT™ & METAL CERT™ kits include sample bottles, labels, our unique security seals, a shipping container and easy-to-read instructions.

SILVER CERT™ is a service.

comprehensive A laboratory Chain-of-Custody form which fully documents custody is also a component in the kit.

> Prices include delivery to customer (Only within the 48 contiguous U.S. states; otherwise, shipping charges are additional). Return-shipping is customer's responsibility.

29 Metals Analysed

With the Silver Cert<sup>™</sup> testing program, additional metals may be tested and included in the report at an additional charge (Up to 29 metals). For more information please contact your local Du Pont representative.

# DuPont SILVER MANAGER™ Cartr dges Installation Instructions

## SMC™ ACCESSORIES AND SPARE PARTS

### **PRODUCT**

SMC Installation/Spare Parts Kit

SMC Training Video

Silver Test Paper

SMC Sample Valve

SMC Stacking Kit

SMC Draining Pump

SMC Shipping Containers (if replacement needed)

Processor Outlet Hose Adapter

Sump System

Analytical Services:

SILVER CERT™

These items may be obtained by calling your local dealer or customer service.

August 15, 1990

# CUSTOMER ADVISORY

A recent study of the condition of returned cartridges has brought to light that a number of cartridges are being sent in inadequately drained. This creates a dual concern for us a DuPont.

The number one concern is that the instructions which were furnished with the cartridges for flushing and draining, and which ensure that the contents are RCRA\* non-hazardous, are not being followed completely. REMEMBER, AS THE POTENTIAL GENERATOR OF A RCRA HAZARDOUS WASTE, YOU HAVE RESPONSIBILITIES AND LIABILITIES THAT EXTEND BEYOND YOUR PLANT GATE (so called "CRADLE-TO-GRAVE" RESPONSIBILITY). WE CANNOT RELIEVE YOU OF THESE.

The other is that DuPont is paying all freight charges. Since the cartridges are substantially heavier when filled with liquid the cartridges are costing more to ship. In addition, our "zero effluent" processing site incurs more cost to dispose of the extra liquids received.

Due to these circumstances, we must advise all our customers that effective September 1, 1990, any cartidges which we receive for processing will be checked. If any of the cartridges are received undrained, a surcharge of \$75 per cartridge will be assessed to offset our added freight and processing costs described above.

Please read and follow the attached updated procedures for flushing and draining.

If you have any questions on this matter, please call 1-800-346-1151.

\* Resource Conservation and Recovery Act of 1976

	ST/ PARD SIGN UP QUES	STIONAIRE
1)	NAME OF BUSINESS:	2) DATE CONTACTED:
3)	CONTACT PERSON:	4) PHONE: FAX:
5)	BUSINESS ADDRESS:	6) COUNTY:
7)	TYPE OF BUSINESS:	
8)	TYPE OF PHOTO WASTE GENERATED: (Circle)	
	B&W fixer Developer S	tabilizer Bleach Fix
9)	LIST OTHER WASTES GENERATED:	
10)	HAVE SOMEONE HAULED YOUR WASTE BEFORE?  If yes, obtain a copy of the manifest	Yes No
11)	DOES THE CLIENT HAVE AN EPA NUMBER?	Yes No
12)	TOTAL QUANTITY OF ALL HAZARDOUS WASTES G	ENERATED IN A MONTH? Gallons
13)	IS THE CLIENT CESQG (Generates less than	25 Gallons per month):
		lient can be signed up) ient can not be signed up)
14)	ARE MSDS SHEETS AVAILABLE? Yes	No
	If yes, obtain a copy If no, Client need to get one from the	manufacturer an submit a copy
15)	APPOINTMENT:	
	DAY: DATE:	TIME:
16)	DIRECTION:	

17) REMARKS:

# Photographic Waste Control, Inc.

Protecting you and the environment

1943 High Street
Longwood, Florida 32750

Telephone (407) 328-9651

To whom it may concern:

One of the main issues confronting the public today is the protection of our environment from becoming polluted with manmade contaminations.

The government, by enacting laws, has placed regulatory requirements on generators of hazardous wastes in order to safeguard the environment from toxic pollution, the state of Florida has adopted these regulations but has also chosen to be more stringent in their requirements.

We at the Photographic Waste Control, Inc. would like to remind you that all generators are legally responsible for proper disposal of their waste. If you are currently not disposing your photographic waste properly or need assistance in adequate handling of your waste contact us today. We are specialized in treatment of photographic waste and can provide you with quality service that meets all regularity requirements.

We would like to meet with you and discuss your waste disposal plan. Please call us at the above phone number or complete the form below and mail it back to us so we can contact you for an appointment.

Sincerely yours PHOTOGRAPHIC WASTE CONTROL, INC.		
COMPANY NAME:		
PHONE NUMBER:		
TYPE OF BUSINESS:		
CONTACT PERSON:		
GENERATED WASTE / MONTH:	(Gallons)	

# Photographic Waste Control, Inc. Protecting you and the environment

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We would like to meet with you and discuss your waste disposal plan. Please call us at the above phone number or complete the form below and mail it back to us so we can contact you for an appointment.

PHOTOGRAPHIC WASTE CONTROL, INC.		
COMPANY NAME:		
PHONE NUMBER:		
TYPE OF BUSINESS:		
CONTACT PERSON:	44-98-99-99-99-94-4-4-4-4-4-4-4-4-4-4-4-	
GENERATED WASTE / MONTH:	(Gallons)	



# Florida Department of Environmental Regulation

Twin Towers Office Bldg. ● 2600 Blair Stone Road ● Tallahassee, Florida 32399-2400 Lawton Chiles, Governor Carol M. Browner, Secretary

February 28, 1992

Mr. Philip Epstein
Vice President
Chemical Pollution Control
of Florida, Inc.
3428 SW 15 Street
Deerfield Beach, Florida 33442

Dear Mr. Epstein:

The Department has received your January 28 letter requesting guidance on the proper management of Xray/photographic waste. Our response follows.

Question 1: Silver bearing waste film, are they regulated as a hazardous waste (D011) if there are 5 parts per million or more?

If you generate, transport, treat, store or dispose of solid waste, you are required by law to identify and evaluate your wastes. The Resource Conservation and Recovery Act (RCRA), in Title 40 Code of Federal Regulations (CFR), Part 261, contains lists specifying wastes that are regulated and characteristics for identifying non-listed hazardous wastes. Process knowledge may also be used to determine whether a solid waste is hazardous. Under the federal and state hazardous waste regulations, any waste (including film) containing five parts per million (ppm) or more of leachable silver (TCLP) would be hazardous waste by characteristic. Typically, fixant solutions would contain enough silver to be considered hazardous waste.

Question 2: Is any documentation required for shipping and disposal, i.e., manifest, bill of lading, EPA number, etc.?

Title 40 CFR, Part 262.11 requires any facility to make a hazardous waste determination. If the facility generates 220 pounds per month or greater of a hazardous waste (including many wastes that are recycled i.e., silver-containing photographic waste), the generator must obtain a DER/EPA ID number (262.12), use a manifest system [unless there is a reclamation agreement pursuant to 262.20(e)], and ship only to a permitted facility (Part 262, Subpart B). I have enclosed a more complete summary listings of regulatory requirements for small quantity generators and generators.

Philip Epstein February 28, 1992 Page Two

Under the hazardous waste regulations, facilities generating less than 220 pounds per month and accumulate no more than 2,200 pounds of hazardous waste at any time are not subject to requirements of 40 CFR, Parts 262 through 268, and 270; and the notification requirements of section 3010 of RCRA. However, these "Conditionally Exempt" generators must ensure delivery of hazardous waste to a proper recycling or Treatment/Storage/Disposal (TSD) facility. They do not have to use a licensed hazardous waste transporter.

County Household Hazaradous Waste Collection Centers will accept hazardous waste from conditionally exempt small quantity generators, for a reduced fee, during scheduled collections. I have enclosed a list of County-operated Household Hazardous Waste Collection Centers.

Question 3: Should an insured, licensed transporter be used for transportation?

The Florida Department of Environmental Regulation (DER) regulates hazardous waste transporters. Transporters must follow the rules contained in Part 263 of the hazardous waste regulation (40 CFR 263) and Florida Administrative Code (F.A.C. 17-730), which require the transporter to:

- Obtain an EPA identification number (40 CFR Section 263.11) (phone 904/488-0300).
- 2. Operate under the manifest system (40 CFR Section 263, Subpart B).
- 3. Have the ability to clean up hazardous waste discharges during transportation-related incidents (40 CFR Section 263, Subpart C).
- 4. Have documentation for financial liability (F.A.C. 17-730.170).
- 5. Transporters storing greater than 24 hours at a transfer facility must notify the DER and meet many TSD requirements (F.A.C. 17-730.171), including containment, contingency plan, training, security, and closure.
- 6. All transfer facilities operated in the State of Florida must have an EPA identification number.

The above requirements apply to generators, TSD facilities, or companies that pick up hazardous waste from generators.

Facilities generating less than 220 pounds per month do not have to use licensed hazardous waste transporters but they have to ensure their waste is being managed properly. An unlicensed transporter could not pick up hazardous waste from businesses generating more than 220 pounds per month, or if the generator or transporter accumulates more than 2,200 pounds of hazardous waste at any time, or improperly disposes of the reclamation waste (to soil, surface/groundwater).

Philip Epstein February 28, 1992 Page Three

Question 4: Does silver bearing film have to be manifested to an approved facility?

Yes, if the facility has characterized the silver waste as hazardous under Title 40 CFR, Part 262.11 and the facility is a 220-2,200 lb/mo. small quantity generator or large quantity generator.

Question 5: What type of storage requirements does one need to have when holding film in one's building?

The following management requirements are primarily for the 220-2,200 pound per month/small quantity generator but are also applicable to the conditionally exempt small quantity generator when more than 2,200 pounds of hazardous waste are accumulated.

- -- Maintain written records of the first date of accumulation, amount, type, and number of containers of each hazardous waste you generated.
- -- Place each waste type in separate containers. Do not mix different wastes together.
- -- As a small quantity generator, you are allowed to store on-site up to 13,200 pounds of hazardous waste for a period of 180 days.
- -- Prepare a Preparedness and Prevention Plan.
- -- Develop a modified Contingency Plan and Emergency Procedures.
- -- Container and tank management requirements (Part 265, Subpart I and 265.201 respectively).

For a recycler who is recovering silver from waste picked up from conditionally exempt small quantity generators, there are no RCRA storage standards which apply. However, the wastes should be properly handled, or else the recycler may become subject to the full generator and facility RCRA requirements. Also, it must comply with the Clean Water Act pretreatment standards and only related locally based discharge limits for discharges to the sewer.

Philip Epstein February 28, 1992 Page Four

Refer to the enclosed summary of the hazardous waste regulations for a more complete listing of requirements and references to the 40 CFR.

Please call me at 904/488-0300 if you have further questions or comments.

Glen Perrigan

SQG Program Coordinator

GP/ps

Enclosures



#### State of Florida DEPARTMENT OF ENVIRONMENTAL REGULATION

LISPAR-

# Interoffice Memorandum

T(:

Jeffrey Smith, Environmental Specialist II

Southeast District

TI-ROUGH:

Michael Redig, Environmental Manager M. (3/5/92 Hazardous Waste Compliance

FF OM:

Linda Lakes, Environmental Specialist III

Hazardous Waste Compliance Section

DATE:

6 March 1992

SI BJECT:

Counting Wastes from X-ray Units

This memo is written to clarify the requirements for counting hazardous wastes to determine the generator status of facility. In the example we discussed, a facility operates several x-ray units. The fixer and developer wastes from these urits are hard-piped to a silver reclamation unit that utilizes both electrolytic and filter reclamation. Wastewater from the recycling unit is discharged directly to a sewer system that leads to a POTW. Should the x-ray unit waste be counted in determining the facility's generator status?

In the March 24, 1986, Federal Register, EPA discusses the adoption of 40 CFR 261.5(c), which clarifies that hazardous waste excluded or exempted from substantive regulation is not counted in making quantity determinations for purposes of determining generator status. Wastes excluded from regulation urder 40 CFR 261.4 includes wastes discharged to a POTW and commingled with domestic waste. These wastes are not counted urless they are stored or treated in regulated units prior to being discharged.

In the scenario described above, the x-ray unit wastes are sent through a silver reclamation unit, which is exempt pursuant to 40 CFR 261.6, prior to being discharged to a POTW, which would exclude the waste from RCRA regulation. The fixer and developer wastes would not be counted in determining the facility's generator status. Any residues or sludges resulting from the reclamation process, if determined to be hazardous, would be subject to regulation and would be included in the quantity determination.

40 (FX 261.6 (G)(2)

6 March 1992 M∈mo to Jeff Smith Page Two

If the fixer and developer wastes were collected from the x-ray units and shipped off-site for reclamation, the wastes would be included in the quantity determination pursuant to 40 CIR 261.5, which states that, "Hazardous waste that is subject to the requirements of... Subparts C, D, and F of Part 266 is included in the quantity determination...".

The January 9,1990, memo from EPA, "Interpretation of the Domestic Sewage Exclusion", which summarizes a U.S. Court of Appeals decision relating to wastes entering a POTW from an industrial park does not apply in this scenario. The Puerto Rico case specifically pertained to a POTW that contained only wastes from an industrial park (not mixed with any domestic waste). This is not the case in the above scenario, where the facility's sewer discharges into a POTW's sewer lines where domestic waste is present.

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Attachment: 3/24/86 Federal Register

In proposing to remove the 100-1000 kg/mo generators from § 261.5, the Agency was attempting to address the complexity and confusion caused by naving multiple classes of small quantity generator subject to significantly different standards. The Agency is sympathetic to the concerns of these commenters and in no way intended the redefinition to add to the confusion which many of these firms may experience in becoming subject to the bulk of the RCRA regulatory program for the first time. For the reasons discussed below. EPA has decided not to alter the existing definition of "small quantity generator" but is making modifications to § 261.5 that will provide a more explicit labeling scheme for regulatory purposes.

Section 261.5 has historically addressed those hazardous waste generators that were conditionally exempt from most of the hazardous waste regulatory program. Until the HSWA of 1984 and the subsequent codification of its early enactment provisions on July 15, 1985, only two major classes of small quantity generator existed: these generating or accumulating acutely hazardous wastes below certain quantity cutoffs and those generating or accumulating below 1000. kg of most hazardous wastes. Furthermore, both classes were largely exempt from the standards applicable to large quantity generators.

However, with the addition of a new class of small quantity generator designated by Section 3001(d) of HSWA (i.e., those generating between 100 kg and 1000 kg of hazardous waste in a calendar month) that would be subject to most of the standards applicable to large quantity generators, continued use of the term "small quantity generator" would have no regulatory significance and would lead to confusion for the previously exempt class of generators.

The proposed redefinition was intended to distinguish between small quantity generators that were conditionally exempt from regulation under § 261.5 (i.e., <100 kg/mo) and those that would be subject to most of the requirements applicable to large quantity generators (i.e., 100-1000 kg/ mo). By removing the 100-1000 kg/mo generator from § 261.5 and referring to these generators by their actual quantity limitations, the Agency intended to provide a more explicit, and therefore less confusing, regulatory scheme.

The Agency does not believe that the commenters' suggestion of retaining the term "small quantity generator" solely for 100-1000 kg/mo generators or creating new labels for different categories of small quantity generators.

will reduce confusion; such labels would probably cause more confusion, especially where states have established their own small quantity generator definitions and exclusion levels. In fact, as a result of these comments, the Agency believes that the term small quantity generator is no longer sufficiently precise for most regulatory purposes.

For this reason, the Agency is making three regulatory changes affecting the use of the term "small quantity generator". First, the Agency is adding a definition of "small quantity generator" to Section 260.10 as follows:

"Small quantity generator" means a generator who generates less than 1000 kg of hazardous waste in a calendar month.

This definition conforms to the existing definition of the term and is being added to § 260.10 to alleviate any potential confusion over the definition of "small

quantity generator".

Second, EPA is finalizing the proposed removal of generators of 100-1000 kg/ mo from the conditional exclusionprovisions of § 261.5 and will instead refer to these generators in the regulatory language as generators of 100-1000 kg/mo. This will retain the original premise of the redefinition which was to segregate in the regulations those generators that are predominantly exempt from regulation (i.e. generators of less than 100 kg/mo of hazardous waste and generators of acutely hazardous waste in less than specified quantities) from those who are more fully regulated (i.e. 100-1000 kg/mo generators). Since the 100-1000 kg/mo generators are no longer excluded from most of the Part 262 regulations by inclusion in § 261.5, the applicable portions of Parts 262-266, 270, and 124 will apply to these generators, as proposed.

Finally, the Agency is also modifying references to the term "small quantity generator" in § 261.5 and in other parts of the regulations to provide more explicit descriptions of the various classes of small quantity generator. Thus, generators of less than 100 kg/mo of hazardous waste or less than specified quantities of acutely hazardous waste will also be referred to by their quantity cutoffs or as generators who are conditionally exempt under Section 261.5. Section 261.5 will now be titled "Special Requirements for Hazardous Wastes Generated by Conditionally Exempt Small Quantity Generators.'

The removal of the term "small quantity generator" from most regulatory use will in no way preclude continued use of the term "small

quantity generator" for general reference and educational purposes. The Agency recognizes the widespread use of the term "small quantity generator" by States, trade associations, Congress and others and has no intention of interfering with the continued use of that term by anyone choosing to use it to refer to the broad class generating less than 1000 kg in a calendar month. EPA will also continue to use the term "small quantity generator" in describing the collective group of generators below 1000 kg/mo but will use the terms "generators of less than 100 kg/mo" and "100-1000 kg/mo generator" for regulatory purposes. For example, in discussing methodology for counting quantities in order to determine generator status, it would be appropriate to refer to the small quantity generator class since it includes both the 100-1000 kg/mo generators and generators of less than 100 kg/mo.

#### 2. Generator Category Determination

In the Proposal, the Agency discussed a number of issues relevant to making a determination of which generator category a given firm belonged to at any given point in time in order to determine what requirements that establishment was actually subject to. Among the issues covered were which wastes need , not be included in quantity determinations (e.g., spent lead-acid batteries destined for reclamation and used oil) and how to count wastes for purposes of determining generator status (e.g., counting of wastes reclaimed onsite). The comments received on these proposed rules raised a variety of additional issues with respect to what types of activities and wastes were intended to be covered by the proposed rules, and whether the rules were applicable to "episodic generators" who might be fully regulated in one month but conditionally exempt the next. These issues are discussed below. In addition to the explanation provided in this preamble, the Agency intends to develop detailed, plain-English guidance and education materials to help the 100-1000 kg/mo generators understand and comply with the hazardous waste regulations.

a. Counting Amendment to § 261.5: In an effort to help clarify for small hazardous waste generators which wastes must be counted in determining their generator category, the Agency proposed an amendment to § 261.5.

The proposed amendment stated that for purposes of making quantity determinations under § 261.5, a generator need not count wastes which are specifically exempted from

regulation (see, e.g., § 261.4, or § 264.1(g) (2), (4), (5) and (6)) or which were not subject to substantive regulation under Parts 263, 264, 265, and the on-site accumulation provisions of § 262.34 were not subject to counting for purposes of determining generator status. Wastes that were subject to the provisions of § 261.6 (b) and (c) (recyclable materials), however, would be required to be counted in making quantity determinations. The proposal was designed to ensure that wastes that are not regulated are not counted. In addition, the counting amendment was intended to eliminate the multiple counting of wastes that are reclaimed and then reused many times during the calendar month. In this situation, the waste would only be counted once, even though it is reused and subsequently becomes a hazardous waste again after such reuse.

While the proposed amendment was intended to make it clear that any hazardous waste that is excluded or exempted from substantive regulation need not be included in the quantity determinations, a number of commenters either misunderstood the scope of the amendment or believed that

lditional clarification was necessary for the amendment to be understood. Although virtually all commenters on the proposed amendment supported the concept, several recommended specific changes to improve the clarity of the provision. Consequently, the Agency is today finalizing a slightly modified version of the amendment to § 261.5 to clarify which wastes are counted in making generator category determinations.

One commenter correctly noted that the amendment, as written, would not apply to generators of 100-1000 kg/mo since the amendment referred only to the quantity determinations under § 261.5. Since, under the rules being promulgated today, 100-1000 kg/mo generators will no longer be subject to the conditional exclusion provisions of § 261.5, the counting amendment would not have applied to these generators as proposed. Since this was contrary to the Agency's intent that the § 261.5(c) amendment be used by all generators in determining their generator status, the final regulatory language of this provision is modified to indicate that the amendment applies to quantity determinations under Parts 261-266 and 270 of the hazardous waste rules.

A second modification to this provision will make it clear that wastes which are not regulated under Parts 262-266 and 270 are not counted in making quantity determinations.

The majority of commenters on this provision asked for clarification on . which wastes or processes were actually intended to be exempted from counting since the references to broad regulatory provisions or concepts such as "subject to substantive regulations" left many readers uncertain as to what the Agency considered to be "substantive regulation". For purposes of this provision, the term "substantive regulation" includes regulations which are directly related to the storage, transportation, treatment, or disposal of hazardous wastes. Regulations which would not be considered "substantive" for purposes of this provision would be requirements to notify and obtain an EPA identification number or to file a biennial report.

As a general guide, the following materials are included in the general category of exempted or excluded wastes that would not be counted in making quantity determinations for purposes of determining hazardous

waste generator status:

 Any waste excluded from regulation under § 261.4. For example, wastes discharged to publicly owned treatment works (POTWs) and commingled with domestic sewage are not considered to be solid wastes when discharged, under § 261.4(a). Therefore, they are excluded from regulation under Subtitle C of RCRA and not counted for purposes of making quantity determinations (unless they are stored or treated in regulated. units prior to being discharged). Such wastes are regulated instead under the Clean Water Act.2

 Any waste exempt from regulation under § 261.6 or wastes that are not stored or transported prior to being reclaimed. For example, under § 261.6(a)(3)(ii), spent lead-acid batteries that are returned to a battery manufacturer for regeneration are exempt from regulation under Parts 262-266, 270, and 124, and, therefore, are not counted in the quantity determination.

Also, used oil exhibiting a characteristic of hazardous waste, unless mixed with other hazardous wastes, is also currently exempt under § 261.6(a) and is not counted for purposes of making quantity determinations. EPA recently proposed to list used oil as a hazardous waste and

proposed special management standards for used oil that is recycled. (See 50 FR 49164, November 29, 1985.) These proposals, if finalized, will continue to exclude used oil from the quantity determinations of Parts 261-266 and 270. Under the proposed rules for used oil, generators would count their used oil separately from their other hazardous wastes against a separate small quantity generator cutoff that would be established for recycled oil. Under those proposed rules, generators would be subject to less stringent standards for their recycled used oil than for their other hazardous wastes, provided they do not mix other hazardous wastes with their used oils or dispose of the used oil rather than recycle it. Used oil which is disposed of, or mixed with other hazardous wastes, would be regulated like any other hazardous waste and counted separately against the 100 kg/ mo cutoff being promulgated today for other hazardous waste generators.

· Any waste reclaimed on-site if it is not accumulated prior to recycling in such a way as to become subject to the accumulation provisions of § 262.34 or the permitting requirements for storage facilities under Parts 264 or 265 (i.e. if it is not accumulated or stored prior to reclamation on-site). Under the hazardous waste rules, the actual process of reclaiming wastes is not subject to regulation under Parts 262-255 and 270 and 124 of the hazardous waste regulations.

Only the accumulation. transportation, long term storage, or the management of residues or sludges resulting from the reclamation process are actually subject to regulation. For example, wastes which are continuously reclaimed in a still or solvent cleaning machine on-site without intervening storage and which are reused on-site are not regulated and are not required to be counted in determining generator status.

- · Wastes exempt from regulation under §§ 264.1 or 265.1, provided they are also not subject to the substantive standards in 40 CFR Parts 262 and 263. For example, wastes treated in elementary neutralization units, wastewater treatment units or totally enclosed treatment facilities as these units are defined in \$260.10 are exempt from regulation under Parts 264 and 265.
- Wastes exempt from certain regulations under § 261.4(c). For example, wastes stored in a product or raw material storage tank are not subject to regulation under Parts 262-265, 270, 271, and 124, or to the RCRA 3010 notification requirements, and hence, are not counted.

<sup>2</sup> Waste discharged to a public sewer system is exempted from RCRA to avoid duplicative regulation since such wastes are regulated under the Clean Water Act. While disposal of hazardous wastes in this manner is not a violation of RCRA. the general pretreatment standards under the Clean Water Act contained in 40 CFR 403.5 prohibit the introduction of wastes into POTWs that would interfere with the operation of the treatment plant or subsequent POTW sludge management.

Therefore, generators are required to count for purposes of determining generator status any waste that is subject to the substantive regulations. Wastes are only counted once, however. A number of commenters claimed that although EPA discussed this in the preamble to the proposed rules, this point was not made clear in the actual regulatory language. The Agency agrees, and thus has added § 261.5(d)(3) to make it clear that a generator need not count the hazardous waste generated and then reclaimed and reused at the site of generation if the hazardous waste has already been included in the monthly totals. The Agency also is modifying § 261.5(d)(2) to make it clear that you only count the residue from treatment where the original hazardous waste was not counted.

The following examples may help to illustrate the regulatory scheme:

(Example 1) Manufacturer A uses solvent in a degreasing process yielding 500 kg of spent solvent in a month. If the solvent is to be reclaimed (e.g., distilled) on-site and is not sorted or accumulated prior to reclamation, it will qualify as a solid (and hazardous) waste but it will not be counted in the generator's monthly totals. The 90 kg of still bottoms from the distillation process are also hazardous waste and must be counted since they were not included in the monthly total. Consequently, 'A' will not be a generator of 100–1000 kg during the month in question.

If the solvent is stored or accumulated prior to distillation, the 500 kg of the spent solvent will qualify as a hazardous waste and will be counted in 'A's hazardous waste totals for the month in which it was generated. The still bottoms will also qualify as hazardous waste, but will not be counted because the spent solvents have already been counted once. The regenerated solvent, on the other hand, will not be a solid or hazardous waste. It will remain unregulated, just like the

virgin material.

(Exemple 2) Manufacturer A generates 120 kg of hazardous spent solvent in one month which he distills without intervening storage. The regenerated solvent is then reused. Neither the spent solvent nor the regenerated solvent is counted and "A" is not a 100-1000 kg/mo generator. Alternatively, "A" distills the spent solvent, but stores it for less than 180 days before reclamation, and reuses the regenerated solvent until spent again, and then distills it once again. The spent solvent would be counted because it was stored before reclamation, but it would only be counted once. "A" is now a 100-1000 kg/mo generator. If the spent

solvent were stored for more than 180 days before reclamation, "A" would need a storage permit.

(Example 3) "A" generates 500 kg of hazardous spent solvent in one month and stores it in an earthen basin which is an impoundment, not a tank. The spent solvent is then discharged to a POTW. "A" must count the total quantity of spent solvent, as the impoundment is not a wastewater treatment unit by definition (§ 260.10), and hence, "A" is a 100–1000 kg/mo generator.

(Example 4) An automotive services center generates spent lead-acid batteries, which it sends to a battery breaker. The service center does not count the spent batteries in its monthly total because they are exempt from regulation until they reach the battery

breaker. (See § 266.80(a).)

b. Generators of Acutely Hazardaus Waste: Section 3001(d)(7) of HSWA states that the requirements applicable to generators of acute hazardous waste listed in §§ 251.31, 261.32, or 261.33(e) are not affected by the HSWA amendments.<sup>3</sup> Thus, today's regulatory amendments will not alter those requirements applicable to generators of acutely hazardous wastes and these generators will remain subject to the exclusion limits and requirements contained in § 261.5(e). The same counting rules as those described above are applicable.

c. Generators of Non-acutely
Hazardous Waste in Quantities of Less
than 100 kg/mo: Section 3001 of HSWA
gives EPA authority to promulgate
regulations for generators of less than
100 kg of hazardous waste per month if
the Administrator determines that such
standards are necessary to protect
human health and the environment. The
Agency is not required to promulgate
such regulations and it did not propose
to further extend coverage of the
hazardous waste program to this class
of hazardous waste generator in the

August 1, 1985 proposal.

In the Proposal, the Agency stated that it had no data to indicate that additional regulation of generators of less than 100 kg/mo of non-acutely hazardous waste would provide any significant additional level of environmental protection. Generators of less than 100 kg/mo of hazardous waste account for only .07 percent of the total quantity of hazardous waste generated nationally. A review of damage cases also indicated that very few incidents involved quantities below 100 kg. Consequently, none of the regulations

promulgated today, with one exception, alter the existing § 261.5 provisions applicable to generators of less than 100 kg/mo. As discussed under the on-site accumulation provisions later in this preamble, the Agency has decided to modify § 261.5(g) to subject generators of less than 100 kg/mo who exceed the accumulation limit of 1000 kg to the modified standards for generators of 100–1000 kg/mo rather than to full regulation.

d. Determination of Generator Status: A number of commenters asked for clarification of the requirements that would apply to generators that do not generate hazardous waste at a uniform rate. Such "episodic generators" may generate, for example, less than 100 kg of hazardous waste one month, quantities of 100–1000 kg other months, or may periodically exceed 1000 kg in a single month.

Several commenters requested clarification of what standards would apply to these episodic generators under different circumstances. Various circumstances for which clarification was requested were raised; for example:

- (1) A generator that exceeds the 100 kg/mo exclusion level periodically as a result of special operations such as tank cleaning:
- (2) A generator that usually generates between 100 and 1000 kg/mo, but exceeds 1000 kg in one month;
- (3) A generator that exceeds 1000 kg/ mo several times and accumulates all waste in a single tank;
- (4) A generator that periodically exceeds 1000 kg/mo and separates the "under 1000 kg/mo" waste from the "over 1000 kg/mo" waste.

The Agency has always taken the position that a generator may be subjected to different standards at different times, depending upon his generation rate in a given calendar month (See, e.g., 45 FR 76620, November 19, 1980). Thus, a generator of less than 100 kg in one calendar month would be deemed a conditionally exempt generator in that month, subject only to the requirements of § 261.5; however, if in the next calendar month, he generates more than 100 kg but less than 1000 kg of any regulated hazardous waste, he is subject to all of the standards being promulgated today, as his generator status has changed. Furthermore, if he generates more than 1000 kg in any calendar month, he is deemed to be a large quantity generator, subject to all applicable standards. Thus, any nonexempts waste that is generated during a calendar month in which the 1000 kg/ mo cutoff is exceeded is subject to full regulation until it is removed from the

<sup>3</sup> At this time, only one acute hazardous waste, dioxin, is listed outside of § 261.33(e).

generator's site. If such fully regulated waste is mixed or combined with waste exempt or excluded from regulation or waste that is subject to reduced regulation under today's final rule, then all of the waste is subject to full regulation until the total mixture is removed from the generator's site. If, on the other hand, the generator stores separately that waste generated during a month in which less than 1000 kg (but more than 100 kg) of hazardous waste is generated, from waste generated during a month in which more than 1000 kg is generated, the former is subject to today's reduced requirements, while the latter is subject to full regulation.

Therefore, generators who expect to periodically exceed the 1000 kg/mo cutoff for the reduced requirements being promulgated today should be prepared to ship their waste off-site if they wish to avoid being subject to full

regulation.

Several commenters have suggested alternative schemes for determining applicable standards, all of which the Agency must reject. One commenter suggested that generators would determine their generator status on the basis of a "moving average" over a 12 month period. If, for example, a generator exceeded 1000 kg/mo for several months but averaged between 100 and 1000 kg over the course of the year, he would be subject to the reduced standards being promulgated today for 100-1000 kg/mo generators. The major problem with this approach is that generators would not be able to determine what standards they were subject to until as much as a year after they should have been complying with a specific set of requirements. For example, a generator who generates over 1000 kg the first month but who expects his moving average to fall below 1000 kg after 12 months could avoid preparing a contingency plan or complying with the other requirements of Part 262 applicable to large generators. This would also present enforcement problems, since it would be unclear which standards apply at any given point. Thus, the Agency believes that such an approach would not significantly reduce the implementation difficulties it was designed to address.

The second approach suggested was establishment of a uniform time and quantity cutoff for all generators, applying the same standards to the same quantities, regardless of monthly generation rates. Under this approach, all generators would be allowed to utilize the 180- and 270-day storage periods, provided the 6000 kg "cap" was not exceeded for all accumulated

hazardous wastes so that the reduced standards of Part 262 for 100–1000 kg/mo generators would be extended to all generators who do not exceed 6000 kg on-site.

While this approach would be simpler to administer, it would be inconsistent with the approach that Congress has directed the Agency to take in developing standards for generators who produce different quantities of waste. While the Agency is authorized to consider such factors as small business impacts and management capabilities for 100-1000 kg/mo generators, it is not explicitly authorized to do so for larger generators. The Agency may not ignore in this rulemaking the fact that the statute has established generation rate as a factor in determining whether business impacts may be considered. Thus, as discussed further in Unit III.C.4., below, the Agency may not extend to all generators the same time and quantity limitations applicable to 100-1000 kg/mo

#### C. Part 262 Generator Responsibilities

EPA is today finalizing amendments to Section 261.5 that will subject hazardous waste generators of 100–1000 kg/mo to the Part 262 generator standards and simplify a number of those requirements. This section of the preumble discusses the proposed amendments to Part 262 to relieve 100–1000 kg/mo generators of some of the administrative burden of complying with the hazardous waste regulatory program, the comments received on each proposal and the Agency's decision with respect to each of the proposed amendments.

The specific Part 262 requirements that EPA is amending for application to 100–1000 kg/mo generators are as follows:

- § 262.20 (General Manifest Requirements) is amended to exempt generators of 100–1000 kg/mo from all manifest requirements if their hazardous waste is reclaimed under certain contractual agreements provided the generator complies with specific recordkeeping requirements set forth in this section. Some modifications to this amendment are being made in response to comments.
- § 262.34 (Accumulation Time) is amended to extend the period of on-site storage allowed for 100–1000 kg/mo generators without the need to obtain interim status or a RCRA permit from 90 days to 180 (or 270) days for quantities not to exceed 6000 kg. In addition, § 262.34 is amended to specify the requirements that would apply to such on-site storage by these generators.

- A new \$ 262.44 to Subpart D of Port 262 is added to exempt generators of 100–1000 kg/mo from the requirements to file and maintain records of biennial and exception reports. This exemption does not apply to records partialing to hazardous waste determinations under \$ 262.40(d) and the extension of retention periods under \$ 262.40(c).
- Notification and Identification Number Requirements—§ 262.12

In the August 1 proposal, EPA proposed that generators of 100-1000 kg/mo be subject to § 262 12, which provides that generators not excluded under § 262.10 or the previsions of § 261.5: (1) Must not treat, store, dispose of, transport, or offer for transportation. hazardous waste without receiving an EPA Identification Number; (2) must obtain an EPA identification number (and may do so by completing and submitting EPA form 8700-12); and (3) must not offer their hazardous waste to transporters or to treatment, storage, and disposal facilities that have not received an EFA identification number.

The majority of commenters on the requirement to obtain and use an EPA identification number supported the Agency's proposal not to exempt 100-1000 kg/mo generators from this provision. EPA believes that a centralized data base of firms subject to regulation under RCRA is essential for effective compliance monitoring and enforcement, as well as for characterizing the regulated community to provide information to Congress and to make resource projections. Use of a unique identifying number is necessary to effectively manage any large data base. Several commenters added that requiring identification numbers for all generators who are subject to substantial regulation minimizes confusion in the regulated community.

Commenters who opposed the requirement cited the Agency's cost estimate of \$40.00 per generator to obtain a U.S. EPA Identification Number, the complexity of the application form, and the lack of a specific statutory requirement for Identification Numbers. However, the Agency does not believe that the requirement to obtain a U.S. EPA Identification Number is overly burdensome to these generators, given the important function which this requirement fulfills.

Some commenters who opposed the requirement cited the complexity of the EPA Form 8700-12, "Notification of Hazardous Waste Activity." The Agency does not believe that the form is overly complex. EPA Regional Offices

TO:

Stephanie sorantino

Central Florida District

FROM:

Linda Lakes

Hazardous Waste Compliance Section

DATE:

17 March 1992

SUBJECT:

Silver Recovery Units

I'm still reviewing the materials from Action Metals and guidance available on silver recovery filters. I will try to finalize a memo in response to your request before the end of the month. Some general comments about what I've found so far:

- 1. Data sent to Michigan DNR for x-ray films, photo paper, etc. are based on EP toxicity testing, not TCLP. EPA guidance from 5/86 indicates x-ray film is usually not hazardous, but reiterates that each generator is responsible for making this determination.
- 2. Federal Registers discussing possible removal of silver as a toxic characteristic are irrelevant at this point. EPA has been considering this issue for many years, and from the 1990 and 1991 Federal Registers, it doesn't look like they're going to make a change anytime soon.
- 3. EPA guidance from 1/87 states that chemical recovery cartridges, electrolytic recovery cells, and ion-exchange resins used to recover precious metals are not subject to the hazardous waste regulations when they are sent for reclamation. Per 261.2(c)(3), they would be defined as a sludge and, when sent for reclamation, would not be considered a solid waste.

We're leaning toward the view that if cartridges are sent directly to a reclaimer they are not subject to the hazardous waste regs; if intermediate processing is required prior to reclamation, hazardous waste regs would apply.

I will be out of the office until March 26th; if you have any other information on this issue, please give Mike Redig a call. Thanks.



# Florida Department of Environmental Regulation

Twin Towers Office Bldg. 9 2600 Blair Stone Road 9 Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

## MEMORANDUM

TO:

SQG County and Regional Planning Council Contacts

FROM:

Glen Perrigan, SQG Program Coordinator Man Kenny

DATE:

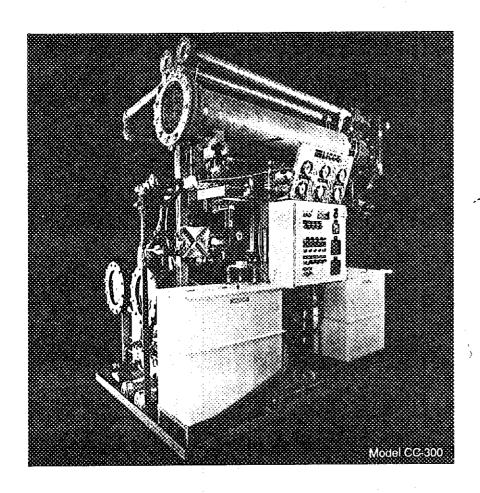
\* December 12, 1991

SUBJECT: Photographic/X-Ray Processing Wastes

Photographic/X-ray processing shops produce many solid wastes. Some of these wastes are hazardous wastes. Wastes from these businesses would include spent developer, fixer, and washwater which usually contains hazardous concentrations of silver. Silver-containing wastes are regulated as a hazardous waste (EPA hazardous waste #D011) if there are 5 parts per million (ppm) or more silver as measured by the Toxicity Characteristic Leaching Procedure (TCLP).

According to a 1985 EPA national survey of small quantity generators, 77% of smaller generators discharge these wastes to sewer or septic systems. Doctors, dentists, hospitals, medical clinics, newspapers, print and photographic shops, and others discharging photographic/X-ray processing wastes into the sewage treatment system should be aware that many localities restrict or prohibit this form of waste disposal. These businesses should immediately contact their local sewer authority to determine if it is permissible to discharge their waste chemicals into the sewer.

Businesses should never discharge untreated photographic/X-ray processing wastes into a septic system. Such discharge of photochemicals would be expected to damage the septic system and ultimately contaminate groundwater. This type of discharge is also illegal.



# SINGLE EFFECT DOUBLE EFFECT TWIN EVAPORATORS

LICON's high vacuum SINGLE EF-FECT, DOUBLE EFFECT, and TWIN evaporators use conventional climbing film evaporative principles in a patented horizontal tube arrangement. This combined with LICON's patented titanium Bayonet Augmented Tube (BAT) bundle and industrial plastics construction, provide reliable, compact, state of the art evaporation.

The **Double Effect** unit requires half the energy of the SINGLE EFFECT. The TWIN system processes two different waste streams, maintaining chemical separation, yet only using the energy required by a single unit. Although less energy efficient than other LICON designs, these systems offer a lower capital investment alternative. Evaporative capacities range from 5 to 1000 GPH.

## **Variety of Applications**

Can be used on virtually any aqueous waste stream.

Alcohols like ethanol and methanol have been successfully separated.

Metal recovery such as chrome, nickel, cadmium, zinc, copper, as well as the concentration of shampoo, boric acid, soy bean oil, glycol, water soluble oil. . .

## Versatile Design

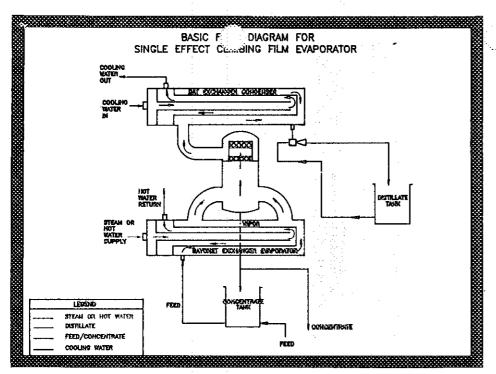
All LICON evaporators are skid-mounted with external surge and monitoring tanks included on the skid, and large sight windows for operator viewing ease.

Conventional design for industries with steam, hot water or virtually any waste heat source.

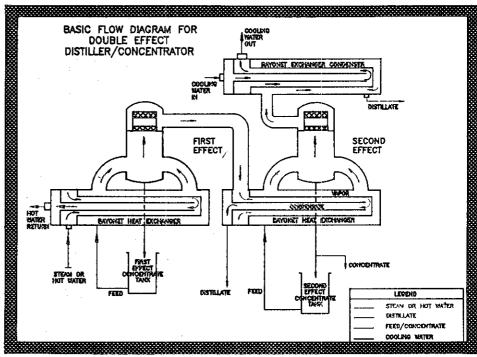
Can be coupled to a freon heat pump for an all-electric alternative.

### **Verified Results**

Production of clean, distilled water of generally 5 ppm or less. High concentrations of waste or reusable by-product to as high as 500,000 ppm.



Single effect evaporators use approximately 10,000 BTU's per gallon of water evaporated (feed heating included). Double effect evaporators use approximately 5,000 BTU's per gallon of water evaporated. Single effect evaporators evaporate a gallon of water for \$.07 and the double effect for \$.035.



MODEL*	SIZE (LXWXH)	MODEL*	SIZE (LXWXH)
C-5 C-10 C-30 C-50 C-90 C-150 C-200 C-350	4'8" x 2' 6" x 6'0" 6'8" x 2' 8" x 6'4" 7'9" x 3' 0" x 8'4" 8'0" x 3' 9" x 8'4" 8'6" x 4' 0" x 8'6" 8'6" x 4' 6" x 8'6" 9'0" x 5' 0" x 8'10" 9'0" x 5' 6" x 9'0"	CC-45 CC-90 CC-120 CC-200 CC-300 CC-500 CC-1000	8'0" x 5' 0" x 8'0" 8'4" x 5' 6" x 8'4" 8'6" x 5' 8" x 8'6" 8'6" x 6' 6" x 9'0" 9'6" x 6' 6" x 10'4" 9'6" x 7' 0" x 10'8" 10'0" x 8' 0" x 11'6"

\*Model # reflects evaporative rate in GPH, ie: C-5 is a 5 GPH SINGLE EFFECT evaporator.

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CHEMICAL POLLU ON CONTROL Inc.

For A Safer Environment

\_\_O SOUTH FOURTH STREET BAY SHORE, N.Y. 11706 (516) 586-0333 FAX: 586-0727

April 1, 1992

Photographic Waste Control 1943 High Street Longwood, FL 32750

Attention: Accounts Payable

Dear Sir/Madam:

Chemical Pollution Control, Inc. having reviewed your analysis, MSDS and information submitted to us has determined that we have the capabilities to dispose of these materials in accordance with all Federal, State and local regulations. We respectfully submit the following quotation for the removal and disposal of the following chemical waste:

DESCRIPTION

WASTE CODE #

PRICE

Photo Sludge (D011)

\$250.00 per drum

#### SPECIAL CONDITIONS

Any material not meeting analysis specifications, will be reanalyzed and disposal prices will be determined upon analysis completion.

Analysis must be updated once per year as per Chemical Pollution Control's written waste analysis plan submitted to the EPA as required by Federal regulations promulgated in "40 CFR Section 264.13 General Waste Analysis."

Please be advised that Chemical Pollution Control, Inc. offers a complete waste management program including consulting and laboratory services.

We direct your attention to the General Terms and Conditions below. If you have any questions concerning this quote or have any other chemical disposal problems, please feel free to contact customer service at the above number.

By signed acceptance of this quotation, you haveby acknowledge that you have read and agreed to all of the General Terms and Conditions following:

#### GENERAL TERMS AND CONDITIONS

#### 1. ACCEPTANCE:

Acceptance of this proposal must be made within thirty days and without qualifications. CHEMICAL POLLUTION CONTROL, INC. will not be bound by any different or additional terms and conditions in this acceptance or otherwise, except as agreed by CHEMICAL POLLUTION CONTROL, INC. in writing.

#### 2. PAYMENT:

You will pay CHEMICAL POLLUTION CONTROL, INC. the amount specified in our quotation dated April 1, 1992. Billing for disposal services will be made immediately upon removal. Terms will be NET 10 DAYS or COD. All payments shall be made to CHEMICAL POLLUTION CONTROL, INC., 120 South Fourth Street, Bay Shore, NY 11706. Any tax, other than Federal, State or local income taxes imposed by any present or future law on the services or on the use of the materials used by CHEMICAL POLLUTION CONTROL, INC. under this proposal shall be added to the price as stated. A charge of 11% of your unpaid invoice will be added to your account after 30 days.

### 3. INDEMNITY BY CHEMICAL POLLUTION CONTROL, INC.:

CHEMICAL POLLUTION CONTROL, INC. operates pursuant to permits obtained from all agencies having jurisdiction over CHEMICAL POLLUTION CONTROL'S operations. All processing and disposal by CHEMICAL POLLUTION CONTROL, INC. is done in accordance with all applicable rules and regulations.

CHEMICAL POLLUTION CONTROL, INC. also has in place all insurance, both vehicular and environmental as required by State and Federal regulations concerning the shipment and storage of hazardous waste. This includes environmental liability insurance.

#### RESPONSIBILITY OF CUSTOMER:

All waste submitted for processing and disposal shall be in conformity with the sample which you have submitted to CHEMICAL POLLUTION CONTROL, INC. and/or as described in our quotation. Drums must be tightly capped and free from leaks in order to be removed. CHEMICAL POLLUTION CONTROL, INC. will transfer the contents of damaged drums at an additional charge. All chemical waste are availabe at locations suitable for loading. Any container, vehicles or other equipment belonging or being utilized by you or for you in connection with the waste will be suitable for such use and in good order and repair. You shall be responsible for all damages, direct and indirect, which may result from any material submitted for processing and the sample referred to above and shall defend indemnify and save CHEMICAL POLLUTION CONTROL, INC. harmless from and against any cost, expense or liability caused directly from the specifications of the sample. CHEMICAL POLLUTION CONTROL, INC. reserves the right to reject any waste which is outside the specifications of the sample or at its option, to submit a surcharge representing increased cost incurred in processing such non-conforming wastę.

WORK CANNOT PROCEED UNTIL SITE HAS A SIGNED AGREEMENT AND A SIGNED COPY OF GENERATOR'S WASTE PROFILE SHEET, IF ATTACHED.

For A Safer Environment

CHEMICAL POLLUTION CONTROL, INC.

President

AH: jp

GENERATOR:

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JAMES V FERDINAND DDS 390 MAITLAND AVE ALTAMONTE SPGS FL 32701	JEFFREY R KOREN MD 685 PALM SPRINGS DR # 1E ALTAMONTE SPGS FL 32701	JOWAIRIA QADRI MD 661 E ALTAMONTE DR # 213 ALTAMONTE SPGS FL 32701
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CLAUDE J HEARN DDS

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220 N WESTMONTE DR # E	IBIS GUTIERREZ ORLANDO OB GYN ASSOCIATE 803 N HIGHWAY 434 ALTAMONTE SPGS FL 32714	220 N WESTMONTE DR # A
	PRAFULLA K KIRTANE MD 210 N WESTMONTE DR ALTAMONTE SPGS FL 32714	PEDIATRIC ASSOCIATES-FLO
PATRICK L DEL FLORE DDS 901 DOUGLAS AVE ALTAMONTE SPGS FL 32714	CANDEN KNIGHT SURGICAL CENTER FOR OBES 683 DOUGLAS AVE ALTAMONTE SPGS FL 32714	JOSEPH A DEKLEVA DDS 151 WYMORE RD ALTAMONTE SPGS FL 32714

ALTAMONTE SPGS FL 32714

II WOUTE SPGS FL 32714 IMPLANT DENTISTRY OF MID	VELAMONTE SPGS FL 32714  9 DOUGLAS AVE # B  DAVID BENNETT	ALTAMONTE SPGS FL 32714 CHIROPRACTIC PHYSICIAN C 195 S WESTMONTE DR MANUEL FARIA
VELAMONTE SPGS FL 32714 165 MONTGOMERY RD DENNIS R GROSS MD	ALTAMONTE SPGS FL 32714 681 DOUGLAS AVE 682 BUCHOFF MD	
ALTAMONTE SPGS FL 32714 390 N HIGHWAY 434 32714 JAMES KASER DDS	C WILLIAM D'AIUTO DDS	
ALTAMONTE SPGS FL 32714 TUTERGY & ASTHMA ASSOCIA EUGENE F SCHWARTZ MD	ALTAMONTE DENTAL ASSOCIA 195 S WESTMONTE DR ALTAMONTE DENTAL 32714	770 N MEZIWONIE DB # B
ALAMONTE SPGS FL 32714 ALAM M GUY DDS	PLTAMONTE SPGS FL 32714 101 WILLOW AVE ALANGSTON DDS	VPLYWONLE SEGS EF 32714 VPLYWONLE-PONGMOOD CHIBO WICHVEF 1 EBOAD
ALTAMONTE SPGS FL 32714 820 N HIGHWAY 434 BARRY A LEVIN DDS	ALTAMONTE SPGS FL 32714 455 DOUGLAS AVE # 2255 BIRTH CONTROL CENTER	BRADFORD W PORTER DDS 1097 DOUGLAS AVE ALTAMONTE SPGS FL 32714
VPLYWONLE SEGS EL 32714 VLLYWONLE VPLEEGY ASSOCI VNN KIESEL	VELTAMONTE SPGS FL 32714 ANID HABIB MD	VFLYWONLE SEGS EF 35114 183 DONGTYS VAE BENJYWIN S WC KENDYFF
ALTAMONTE SPGS PL 32714 WEBB CHIROPRACTIC CLINIC WILLIAM P WEBB II	ALTAMONTE SPGS FL 32714 WEKIVA FAMILY PRACTICE	MOWFM, R HEFFLH SEECIFFIR
882 DONGFVS VAE	VFLEMONLE SEGS EF 35114 165 MONTGOMERY RD VALENTIN E RAZ MD	840 N HICHMVK 434
VLTAMONTE SPGS FL 32714 695 DOUGLAS AVE LUIS E MORALES MD	ALTAMONTE SPGS FL 32714 JOHN P POMPURA 434	ALTAMONTE SPGS FL 32714 659 DOUGLAS AVE JAMES P RYAN IV MD
VELVMONTE SPGS FL 32714 919 W STATE RD 436 JAMES J MACOOL MD	VFLVWONLE SEGS EF 35114 1088 E HMK 436 FEAINE CHIBOEBVCLIC FIEE	VFLYWONLE SECS EF 32714 P D COFEWYN DDS

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THE PART OF THE PA	TH EDWARDS ULINTRAL FLORIDA COSMETIC 901 DOUGLAS AVE # 100 ALTAMONTE SPGS FL 32714	BISTUUGHAD AVE
METRO ORTHOPAEDIC & THER 817 DOUGLAS AVE # 179 ALTAMONTE SPGS FL 32714	MICHAEL B BUTLER MD 683 DOUGLAS AVE ALTAMONTE SPGS FL 32714	PANITDA TOOCHINDA MD CHILDREN'S DOCTORS OFFIC 264 DOUGLAS AVE ALTAMONTE SPGS FL 32714
STARR PRINTING CO 400 E SEMORAN BLVD CASSELBERRY FL 32730	ADVANCED TYPESETTING 207 OBRIEN RD FERN PARK FL 32730	KOPY KWICK PRINTING 119 HIGHWAY 436 FERN PARK FL 32730
TYPE SHOP INC 859 E STATE RD 436 # 175 CASSELBERRY FL 32730	HERITAGE FLORIDA JEWISH 207 OBRIEN RD FERN PARK FL 32730	GRAPHIC LIMITED ZAYRES SHOPPING CENTER FERN PARK FL 32730
ALPHA SET 404 LOCHMOND DR FERN PARK FL 32730	WALGREENS DRUG STORES 7800 S US HIGHWAY 17/92 FERN PARK FL 32730	PHOTO PRO LAB 171 OBRIEN RD FERN PARK FL 32730
B A PUBLICATIONS 2601 WELLS AVE FERN PARK FL 32730	ROBERT M REID DDS 130 OXFORD RD FERN PARK FL 32730	A FULMORE'S CHIROPRACTIC 8490 S US HIGHWAY 17/92 FERN PARK FL 32730
ROBERT L LIKENS MD CENTER FOR WOMEN'S CARE 515 E SEMORAN BLVD CASSELBERRY FL 32730	WILLIAM S HUANG 2905 LAKEVIEW DR FERN PARK FL 32730	LA AMISTAD FOUNDATION IN 8485 S US HIGHWAY 17/92 FERN PARK FL 32730
MR PRINT 3813 LAKE EMMA RD LAKE MARY FL 32746	LASER IMAGES LAKE MARY FL 32746	MARANATHA PRINTING & COP 471 W LAKE MARY BLVD LAKE MARY FL 32746
40° M COUNTRY CLUB DD	IMAGE MASTERS PRINTING 120 E LAKE MARY BLVD # 1 LAKE MARY FL 32746	100 MONICA CI
2725 TAKE EMMA RD	DIPLOMAT DENTAL GROUP 3809 LAKE EMMA RD LAKE MARY FL 32746	EVE SAUL FLORIDA PSYCHIATRIC ASSO 706 W LAKE MARY BLVD # 2 LAKE MARY FL 32746
706 W LAKE MARY BLVD	FELIX A NAVARRO JR MD 130 W LAKE MARY BLVD LAKE MARY FL 32746	JIM KOFFERNUS FLORIDA INTERNAL MED 549 W LAKE MARY BLVD LAKE MARY FL 32746

ST CLOUD FL 34769 ST CLOUD FL 34769
ST CLOUD FL 34769
ST CLOUD FL 34769 4301 NELLONE BD GEORGE 2 PANKEY DDS EVMILY PRACTICE ASSOCIAT FRANK L CRESPO MD ST CLOUD FL 34769 ST CFOND ET 34169
ST CFOND ET 34169
ST CFOND ET 34169
ST CFOND ET 34169 1506 NEW YORK AVE YWES H CHEN DDS M SIRAJ ISLAM DO 10SEPH R HENSCHEN DDS ST CLOUD FL 34769
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ST CLOUD FL 34769 ST CLOUD FL 34769 41S1 NELLONE BD VIDEEM MEST DO ST CLOUD FL 34769 ST CLOUD FL 34769 TS HT71 8162 ZL CFOND EF 34169 "S ="// 7"37 S"HT0000H NWE000N+0

5260 W IRLO BRONSON MEMO KISSIMMEE FL 34746	5770 W I BRONSON HWY KISSIMMEE FL 34746	KINGINDE ID STITS
HOCUS FOCUS 5463 W IRLO BRONSON MEMO KISSIMMEE FL 34746	ENTERPRISES INC 7646 W IRLO BRONSON MEMO KISSIMMEE FL 34746	5265 W IRLO BRONSON MEMO
29 1/2 MINUTES PHOTO LAB 4980 W IRLO BRONSON MEMO KISSIMMEE FL 34746	ONE HOUR FILM DEVELOPING 5730 W SPACE COAST HWY KISSIMMEE FL 34746	FAMILY DENTISTRY
FAMILY DOCTORS CARE 5477 W IRLO BRONSON MEMO KISSIMMEE FL 34746	535 WALK-IN MEDICAL CENT 2926 VINELAND RD KISSIMMEE FL 34746	3309 S ORANGE BLOSSOM TR
POINCIANA PRESS 7 DOVERPLUM AVE KISSIMMEE FL 34759	CLAIRE PALMIERI CARDIOVASCULAR ASSOCS 16 DOVERPLUM AVE KISSIMMEE FL 34759	P I P PRINTING 927 W OAK ST ST CLOUD FL 34769
LES'S PRINTING & GRAPHIC 821 13TH ST ST CLOUD FL 34769	WALGREENS DRUG STORES 4045 13TH ST ST CLOUD FL 34769	PICTURE MAKER OF KISSIMM 4249 13TH ST ST CLOUD FL 34769
ORLANDO EYE CLINIC 2727 13TH ST ST CLOUD FL 34769	ORTHOPAEDIC ASSOCIATES-O 1600 BUDINGER AVE ST CLOUD FL 34769	OSCEOLA CARDIOPULMONARY 2900 17TH ST ST CLOUD FL 34769
OMAR ATA DDS 3101 13TH ST ST CLOUD FL 34769	MARTIN J O'MALLEY MD 1600 BUDINGER AVE ST CLOUD FL 34769	MITCHELL L LEVIN MD 1401 BUDINGER AVE ST CLOUD FL 34769
ST CLOUD DENTAL ASSOCIAT 2425 13TH ST ST CLOUD FL 34769	SUJIT K RUDRA MD 2900 17TH ST ST CLOUD FL 34769	WILLIAM T ANDERSON DDS 2015 13TH ST ST CLOUD FL 34769
ROMUALDO R DATOR MD 2918 17TH ST ST CLOUD FL 34769	PETER T MORROW MD 1600 BUDINGER AVE ST CLOUD FL 34769	PILAR R GONZALES DO 2912 17TH ST ST CLOUD FL 34769
1211 FLORIDA AVE	DE FUENTES SANCHEZ MD 323 CYPRESS AVE ST CLOUD FL 34769	1600 BUDINGER BLVD

TEDITADA D ZARALIERO MD PAMELA LORENZ

A RAZZAK TAT

PC MOOD EF 35750 DI JDA INDUSTRIAL PARK JIM PHILLIPS PRINTING	7 MGMOOD EF 35750 PRESTO PRINTING & BINDER	PONGMOOD EF 35120 103 E CHNBCH VAE BEIWE BEINLING
TA THABLOTTE OF	TONGMOOD EF 35120 115 N OR HIGHMVA 11/05 # EBECIRION EBEE	PEKE WEKA ET 35146 WELLHEMS OKLHOBEDIC CFI D BEKWOND KNEBB
LAKE MARY FL 32746 345 W LAKE MARY BLVD MASTERS CHIROPRACTIC	POKE WOKK EF 35146 106 M POKE WOKK BPAD # 3 POKE WOKK BEDIVLEICS SOME G KOPLEK WD	PEKE WEEK EF 35146 130 M PEKE WEEK BEAD WICHEEF BEIW DDS
PYKE WYKK EF 32746 342 M PYKE WYKA BFAD HOKISON DENTYF	PERE WERY FL 32746 GASTROENTEROLOGY ASSOCIA MARY BATES	PERCE WERY FL 32746 BRUCE E WALTON MD
35146 243 M TYKE WYKATYKE WYKA EF BYKKA Y FEAIN DDS	35146 PAKE WARY FL 340 W LAKE MARY BLVD LAKE MARY FAMILY PRACTIC	THOWAS HUNTER MD  130 W LAKE MARY BLVD  32746
PEKE WEKK EF 35146 130 M PEKE WEKA BEAD BION 1 EOECONI WD	LAKE MARY FL 32746 706 W LAKE MARY BLVD UROLOGY CENTER	PERE WERY FL 32746 641 W LAKE MARY BLVD # 1 GARY L TORRES DDS
LAKE MARY FL 32746 MONIB COLLESTAN MD	PEKE WEKK EF 35146 130 M PEKE WEKK BEAD # 1 PEKE WEK NEGENT CERE CE GEEGOEK K COFFINS WD	PEKE WEKK EF 35146 340 M PEKE WEKK BEAD BEAL E 18HEGIEDEE WD
CENTRAL PLODID ATTACL	PEKE WERY FL 32746 CENTRAL FLORIDA RADIOLOG	T # MATE MARKI DEATH T
TOG W LAKE MARY BLUD	PEKE WEKA EF 32746 249 M PEKE WEKA BLVD COLIN M EREEMEN MD	IND W DAKE MARY BLVD # 3
PPKE WYKK EF 35146 243 M PPKE WYKK BPAD ISYYC YNGEF DDS	PPKE WYBA EF 35146 100 M PPKE WYBA BFAD # 1 PPKE WYBA BEIWE CYBE 20E YBBYHYW	ISO E PYKE WYKK BPAD
PVKE WVKA EF 35146 380 M PVKE WVKA BPAD PVKE WVKA WEDICVF-DEMLVF HVKAEA F KVMSOF DDS	PVKE WYKK EF 35146 130 M PVKE WYKK BPAD KEAIN BONN DDS	PPKE WPKA EF 35446 212 M PPKE WPKA BFAD 10HN M CVNVF DDS

H & M PRINTING A MENUZ LC WOOD TROPHIES & PRIN 1310 BENNETT DR 1528 HIGHWAY 427 N 667 HIGHWAY 427 S LONGWOOD FL 32750 LONGWOOD FL 32750 PROMO GRAPHICS INC TRU DIMENSIONS PRINTING TECHNOGRAPHICS
1335 BENNETT DR # 159 1624 HIGHWAY 427 N 905 HIGHWAY 434 E # 100
LONGWOOD FL 32750 LONGWOOD FL 32750 VISION GRAPHICS VARGA PRINTING SANLANDO REPROGRAPHICS 715 STATE RD 434 W # P 710 SAVAGE CT 975 FLORIDA CENTRAL PKY LONGWOOD FL 32750 LONGWOOD FL 32750 ROYAL PRESS SIR SPEEDY PRINTING CTR SIGN KING INC 987 STATE RD 434 W 1498 STATE RD 434 W 726 N US HIGHWAY 17/92 # LONGWOOD FL 32750 LONGWOOD FL 32750 ADVENTURE GRAPHICS & DES ADAMS TYPESETTING CO
1060 STATE RD 434 W # 15 500 GRANADA WAY
LONGWOOD FL 32750 LONGWOOD FL 32750 LONGWOOD FL 32750

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1150 FLORIDA CENTRAL PKY
LONGWOOD FL 32750 AMERICAN SPEEDY PRINTING A N A/GRAFIX A A A PRINTER
155 S US HIGHWAY 17/92 # 123 SUNSET DR 1225 BENNETT DR
LONGWOOD FL 32750 LONGWOOD FL 32750 ACTION SCREEN PRINTING A-1 ART PRINTING CLASSIC GRAPHICS & PRINT 1650 FOREST AVE 421 HIGHWAY 434 E 785 BIG TREE DR LONGWOOD FL 32750 LONGWOOD FL 32750 FRANKLIN'S PRINTING & OF FLORIDA SCREEN SERVICES GUNTER PRINTING 684 S US HIGHWAY 17/92 # 869 WATERWAY PL 378 N US HIGHWAY 17/92 # LONGWOOD FL 32750 LONGWOOD FL 32750 GRAPHIC ENTERPRISES CREATIVE PRINTING & PUBL CONSOLIDATED LABEL CO 777 BIG TREE DR 712 N US HIGHWAY 17/92 # 1076 FLORIDA CENTRAL PKY LONGWOOD FL 32750 LONGWOOD FL 32750

1608 CHERRYWOOD LN 1716 HIGHWAY 427 N 715 STATE RD 434 W LONGWOOD FL 32750 LONGWOOD FL 32750

FIRST IMPRESSIONS PRINTI DIXIE PRINTING & MAILING CLIPPER OF FLORIDA

CLIPPER INC COLAMCO INC REPRODUCTION GRAPH 510 SAVAGE CT 975 FLORIDA CENTRAL PKY 282 SHORT AVE LONGWOOD FL 32750 LONGWOOD FL 32750

REPRODUCTION GRAPHICS

30 WINNTE DISCOUNT PHOTO	TWO HOUR PHOTO	FOTO SHOP INC
KISSIWWEE EF 34146 1286 W IBTO BEONSON WEWO SON BHOLO INC	KISSIWWEE EF 34746 2712 W IRLO BRONSON MEMO TRAVELHOST OF ORLANDO	KISSIWWEE EF 34144 851 N WEIN ST EXE CEKE INSTITUTE WITCHEFF F FEVIN MD
KISSIWWEE EF 34744 ESDEVS V WAIN ST ESDEVS V FILART MD	KISZIWWEE EF 34744 101 E OVK ZI KEILH G KVNLEK DDZ	KISSIWWEE ET 34744 CHIBOPRACTIC CARE CENTER
7231 BOGGA CKEEK KD	JOSE ANDRADE MD ALLSIS E OAK ST # D KISSIMMEE FL 34744	KISSIWWEE PL 34744 CENTRAL FLORIDA ORTHODON
JOHN R HARTMAN MD 601 E OAK ST KISSIMMEE FL 34744	KISSIWWEE LF 34144 1103 N WYIN SL W A WOHYWED DDS	KIZZIWWEE EF 34144 1353 E AINE ZL VFVN K HEVE DDZ
KISSIWWEE EF 34744 1321 E VINE ST FAMILY DENTAL CARE	KISSIWWEE EF 34744 LII E OVK ST CINDX DIGVN	KISSIWWEE EF 34744 1 WICHAEL LAYTON DDS
KISSIWWEE EF 34144 1000 BOCCA CEEEK ED VCNDNNCLNEE CENLEE	KISSIWWEE EF 34744 803 E OVK ST VBDOF B WVWSV WD	KISSIWWEE EF 34744 806 N WAIN ST YATES CHIROPRACTIC ASSOC
VICTOR A POLITANO JR DO 921 N MAIN ST KISSIMMEE FL 34744	EFORIDY EXE CFINIC	KISSIWWEE EF 34744 CAHIDA KIRMANI
KISSIWWEE EF 34144 1011 N WYIN ST BOBEKL N SEKKOS WD	KISSIWWEE EF 34144 101 E OVK ST BYAWOND F BOGEBS 1B DDS	KISSIWWEE EF 34744 1204 OSCEOFA BFAD NEOFOGK VSSOCIVLES OE OS
KISSIWWEE FL 34744 809 E OAK ST SOUTH ORLANDO DENTAL ASS	5500 E IBPO BBONSON WEWO	OSCEOUR ARTHRITIS CENTER

KISSIWWEE ET 34144 KISSIWWEE ET 34144 KIZZIWWEE ET 34144

KIZZIWWEE ET 34144

TINA PHILLIPS MD

KISSIWWEE EF 34144

7430 WARC CT

MARC X

KISSIWWEE EF 34144

MICHAEL E REGAN DDS

1204 OSCEOFW BIAD KISSIMMEE EF 34744
EVMITA BEVALICE VSSOCIVATOR STANDARD FOR STAND

FC MOOD EF 35120 21 22 21 434 M # 305 E 19KE 19COBO WD	TONGMOOD ET 35120 C. ZIVIE KD 434 M # 100 C. ZIKOENLEKOTOGA GKONB BONNIE BOHN	PONGMOOD EF 35750 830 HIGHMAY 434 E BOOT CARE OF CENTRAL FLO
PONGMOOD BE STOOM ND STOOM TO TONGMOOD BE STOOM ND	FONGMOOD EF 35120 120 HIGHMVA 451 2 # 116 VCCELL BEEGNVNCA CENLEE	PONGMOOD EF 32750 GREGORY ORTEGA MD
PONGMOOD EF 35120 251 SLVLE ED 434 M GEEENMVFD MISE & GEISVIL	PONGMOOD EF 35120 CEVCE A SVENOTHAM MD	PONGMOOD EF 35120 251 STATE RD 434 M # 301 EFORIDA IMPOTENCE CENTER JANIE DE VAN
PONGMOOD EF 35160 509 STATE RD 434 W BIXON CHIBOPRACTIC CENTE LEWIS A BIXON	FONGMOOD EF 35750 521 STATE RD 434 W # 201 FLORIDA INTERNAL MEDICIN	TONGMOOD ET 35750 ISO BYAMOOD AVE # A STAR BUSINESS SERVICES
PONGMOOD EF 35120 1018 SIVIE ED 434 M # 12 SHALLEE BAG, S EIFW BEOCE	LONGWOOD FL 32750 APPLE INTERNATIONAL	PONGMOOD EF 35750 282 SHORT AVE # 7 ALDINE GRAPHIC DESIGN
PONGMOOD EF 35750 172 S US HIGHWAY 17/92 # ZAP PHOTO	PONGMOOD EF 35120 III M WEGNOFIV VAE LHOWVZ KEGIZLEK	PONGMOOD EF 32750 471 W CHURCH AVE TRI-MARK QUALITY SOD
TONGMOOD ET 35120 102 SLVIE BD 434 M LEOWBO, S BEINLEEL INC	PONGMOOD EF 35120 358 HOMVED BFAD W Z I VD GEONE	PONGMOOD EF 35750 346 EREEMAN ST MARKETSMART
PONGMOOD EF 35120 1322 BENNELL DE # 2 WYZLEK PIZLEK COWBYNA	PONGMOOD EF 35120 1882 COKPORATE SQUARE DR PETTER BOX OF CENTRAL FL	
CONGMOOD EL 32750 328 HOWARD BLVD JONATHAN TAYLOR ADVERTIS	PONGMOOD EF 35120 120 HIGHMVA 451 2 # 118 PEWON & COMEVNA	PONGMOOD EF 35120 120 SE PVKE ST DE EVICO VDAEKLISING INC
C M M ASSOCIATES		PONGMOOD EF 35120 1000 SVAVGE CT # 152 SENIOK VDNFL SACS INC

800 N CENTRAL	11 W DAKIN AVE	405 W OAK ST
KISSIMMEE FL 34741	K <sup>†</sup> SSIMMEE FL 34741	KISSIMMEE FL 34741
ELIZABETH KROCHAK MD	ERNESTO A TOBIAS MD	ETHELINDA JONGCO-HOLT MD
801 W OAK ST	800 N CENTRAL AVE	800 N CENTRAL AVE
KISSIMMEE FL 34741	KISSIMMEE FL 34741	KISSIMMEE FL 34741
DOUGLAS T ANDREWS DDS	DAVID J ETTINGER MD	DAVID TEITELBAUM MD
316 N BERMUDA AVE	201 W HILDA ST	201 W HILDA ST
KISSIMMEE FL 34741	KISSIMMEE FL 34741	KISSIMMEE FL 34741
DILIP R PATEL MD	ORLANDO EYE CLINIC	ORTHOPAEDIC ASSOCIATES-O
800 N CENTRAL AVE	201 HILDA ST	604 OAK COMMONS BLVD
KISSIMMEE FL 34741	KISSIMMEE FL 34741	KISSIMMEE FL 34741
	MULTI SPECIALTY CLINIC 201 W HILDA ST KISSIMMEE FL 34741	
MYLES S DOUGLAS MD	PETER J CASELLA MD	PETER POULOS MD
810 W OAK ST	610 OAK COMMONS BLVD	101 PARK PLACE BLVD # 1A
KISSIMMEE FL 34741	KISSIMMEE FL 34741	KISSIMMEE FL 34741
411 W VINE ST	DON SHANNONHOUSE OSCEOLA ARTIFICIAL KIDNE 201 W HILDA ST # 23 KISSIMMEE FL 34741	211 E RUBY
812 W OAK ST	MICHAEL S ROBERTS MD 802 W OAK ST KISSIMMEE FL 34741	101 PARK PLACE BLVD
M ANWARUL HOQUE MD	JULIETA T SANTOS MD	LE ROI K PRICE MD
201 HILDA ST # 15	800 N CENTRAL AVE	201 W HILDA ST
KISSIMMEE FL 34741	KISSIMMEE FL 34741	KISSIMMEE FL 34741
201 W HILDA ST # 13	M SIRAJ ISLAM MD 801 W OAK ST KISSIMMEE FL 34741	WALGREENS DRUG STORES 1950 DART BLVD KISSIMMEE FL 34743
RONALD T GURSKY DDS 1956 DART BLVD KISSIMMEE FL 34743	GOOD IMPRESSIONS PRINTIN 722 N MAIN ST KISSIMMEE FL 34744	B & P PRINTING INC 417 E VINE ST KISSIMMEE FL 34744

TRRING FOR DAME OFFICE OFFICE AVACADED DAMPATEC A TOPDRO PRECEDANCERATE RING.

	CLAUDE K WHATLEY JR DDS	
KIZZIWWEE EF 34141 501 HITDV ZL # 14 CHVBFEZ D BIZOGNO DO	KISSIWWEE EF 34141 800 N CENTRAL AVE CUTILLAR DAGANI & LUAYON LUZ LUAYON	KISSIMWEE EF 34741 614 EWWELL SL CBVIG C FEMIS DDS
KIZZIWWEE EF 34741 Sell W IRLO BRONSON MEMO CENTURY WALK-IN MEDICAL	KISSIWWEE EF 34741 SOI W HIFDA ST ENGENE B SPEIRS MD	KIRSIWWEE EF 34741 325 CYPRESS ST JAMES A MATAS MD
KISZIWWEE ET 34741 110 DENEK VAE HEBBEEL C GENIEK DDS	KISSIWWEE EL 34741 800 N CENTRAL AVE HERACLIO F CASTRO JR MD	KIRRIWWEE EF 34141 SOI M HIFDY RL YYWER E OGFERBA WD
KIRSIWWEE EF 34141 411 M OVK RI 10REEH V RHIBEB WD	KISSIWWEE LF 34141 203 M AEBONY ST 10HN O BYO WD	NOHN TAGGART MD
KIZZIWWEE EF 34141 818 M OVK ZL EKVNK F CKEZBO WD	KISSIMMEE FL 34741 RISSIMMEE FL 34741	
KISSIWWEE EF 34741 BYO EWWELL ST EBYNK B DVAIS DDS	KISZIWWEE EF 34141 SOI HIFDV ZL # 55 GOBEN N WNKHEBTEE WD	KISZIWWEE ET 34141 371 M CABEESZ ST CITBEKTO BEKEZ WD
KIZZIWWEE EF 34141 1500 CENLBYF VAE GEOBGE B WOZKOMILZ WD	KISSIWWEE EF 34741 501 M HIFDV ST BEEW N LVNDON WD	KISSIWWEE EF 34141 1500 N CENTRAL AVE # 213 C WICHAEL TURNER DDS
KISSIWWEE EF 34141 101 BYBK BFYCE BFAD BENYYWIN O.CYWBO WD	KIZZIWWEE EF 34141 105 BYK BFYCE BFAD YFONZO 1 FOGYN WD	KISSIWWEE EF 34741 801 M OVK ST CVEDIOAVSCAFVE EVW FOEENS
KISSIWWEE EL 34741 CENTRAL FLORIDA SPORTS M LAURA PATE	KISSIWWEE ET 34741 352 M CABBERS RT CENTRAL FLORIDA DISEASE MILLIAM J ROBBINS MD	KISSIWWEE EF 34141 800 N CENTBAL AVE CARIDAD Z AGUSTINES MD
KIZZIWWEE ET 34741 701 HITDV ZL VITEN I KEITEK WD	SURALYA A KASU DDS RISSIMMEE FL 34741	KIRRIMWEE EF 34141 810 N BORE VAE THOWYR M O, BEIEN WD
KIZZIWWEE ET 34141	KISSIWWEE EF 34141	KISSIWWEE EF 34141

B J ALEXANDER MD 1385 STATE RD 434 W LONGWOOD FL 32750	3Y VYAS MD ALSOCIATED FAMILY MEDICI 521 STATE RD 434 W # 101 LONGWOOD FL 32750	855 S US HIGHWAY 17/92 #
CLIFFORD W LOBER MD 521 STATE RD 434 W LONGWOOD FL 32750	CENTRAL FLORIDA CARDIOLO	CENTRAL FLORIDA UROLOGY 521 STATE RD 434 W # 301
BARBARA A BEELER MD 515 STATE RD 434 W LONGWOOD FL 32750	CARDIOLOGY CONSULTANTS	1244 HIGHWAY 427 N
DUANE E WARSETT MD 515 STATE RD 434 W LONGWOOD FL 32750	DR KLEIN'S HEALTH NUTS	1385 STATE RD 434 W
PREM K KATHURIA DD CASSELBERRY DENTAL CENTE 1670 S US HIGHWAY 17/92 LONGWOOD FL 32750	DENTAL WORLD INC 1250 STATE RD 434 W	INTERNAL MEDICINE-ALLERG
SANDI ZOCAFSKI SEMINOLE SURGICAL SPECIA 515 STATE RD 434 W # 307 LONGWOOD FL 32750	521 STATE RD 434 W # 106	SEMINOLE RADIOLOGY
	SAM RANGANATHAN MD 1385 STATE RD 434 W LONGWOOD FL 32750	
1450 STATE RD 434 W # 11	RONALD D BROWN MD 555 STATE RD 434 W LONGWOOD FL 32750	1385 STATE RD 434 W
VICTOR L ROBERTS MD 515 STATE RD 434 W LONGWOOD FL 32750	JAKE JACOBO VASECTOMY SERVICES OF FL 515 STATE RD 434 W # 302 LONGWOOD FL 32750	WILLIAM C NEILSON DDS 1495 STATE RD 434 W LONGWOOD FL 32750
MARTIN J ALPERT DDS WEKIVA PROFESSIONAL CTR STATE RD 434 LONGWOOD FL 32750	TROY E OVERSTREET MD 515 STATE RD 434 W LONGWOOD FL 32750	SYED MALIK MD 515 STATE RD 434 W LONGWOOD FL 32750
SOUTH SEMINOLE COMMUNITY PO BOX 1607 LONGWOOD FL 32750	THEODORE A DIPPY MD 521 STATE RD 434 W # 307 LONGWOOD FL 32750	

SV OED EF 35771 PO ∞OX 1657 EVENING HERALD	SEMINOLE DIRECT MAIL SEMINOLE DIRECT MAIL	STO S PARK AVE STO S PARK AVE SANFORD FL 32771
SVNEOKD EF 35111 5501 S EKENCH VAE # 1 ENKEKV DESIGN INCOKBOKVI	SANFORD FL 32771 SI4 S OAK AVE WERT PRINTING & GRAPHICS	SENFORD FL 32771 SANFORD AVE AIKEN PRINTING & ADVG
SANFORD FL 32771 PRINTING PALACE INC	P I P PRINTING SANFORD FL 32771	2VNEOKD EF 35111 880 AIHFEN KD WE22VGE DECVF2 INC
601 CODISCO WAY	SENEORD EL 32771 SANFORD BLUEPRINT & PRIN	100 SKOGEN CL
SVNEOKD EF 35771 308 E COMMERCIAL ST SANFORD QUICK PRINT INC	SYNEORD EL 32771 CONTINUOUS FORMS & CHECK	TONGMOOD EF 35120 201 HICHMVA 434 E FONGMOOD DENLYF CYBE
PONGMOOD EF 35750 FONGMOOD WEDICAL ARTS BU	PONGMOOD EF 35120 200 HIGHMVA 434 E PONGMOOD CHIBODBYCLIC GB	PONGMOOD EF 35120 IS20 SLVIE BD 434 M COMERAT HFINKY
WAXER EVMILY CARE CENTER	1500 STATE RD 434 W	FONGMOOD EF 35120 821 HIGHMVK 434 E NEIF I LVKK DDS
PONGMOOD EF 35750 1385 STATE RD 434 W N NITA MD	PONGMOOD EF 35750 S21 STATE RD 434 W NARINDER S AUJLA MD	TONGMOOD EF 35120 212 SLVLE ED 434 M # 510 MEKEDILH MIGGINS
TONGMOOD EF 35120 1382 SLVLE ED 434 M 10HN E SCHVEELEE WD	PONGMOOD EF 35750 1152 STATE RD 434 W 1 O KANG DDS	PONGMOOD EF 35120 301 HIGHMVA 434 E 1VWEZ 1 HANICK DO
FONGMOOD EF 35120 1382 SIVIE BD 434 M 10EGE GOWEZ WD	FONGMOOD EF 35750 1385 STATE RD 434 W FEWIS J EDGEWON MD	PONGMOOD EF 35120 182 HIGHMVA 434 E FINDV K BOSSOM DDS
212 SLVLE BD 434 M	PONGMOOD EF 35120 288 2 MIFWY 2L PEONIDEZ B 188WIFFO WD	FONGMOOD EF 35120 251 SLVLE BD 434 M # 504 51 SLVLE BD 134 M # 504 61 CPADE H GFIWEK WD

1001 BEVERLY DR	1007 BEVERLY DR	1264 US HIGHWAY 1 S
ROCKLEDGE FL 32955	ROCKLEDGE FL 32955	ROCKLEDGE FL 32955
BRAILE CHIROPRACTIC LIFE	ATLANTIC DENTURE CLINIC	BARTON COMMONS MEDICAL C
839 BARTON BLVD	904 ROCKLEDGE BLVD	206 BARTON BLVD
ROCKLEDGE FL 32955	ROCKLEDGE FL 32955	ROCKLEDGE FL 32955
TRESE PRINTING PO BOX 561118 ROCKLEDGE FL 32956	PRO PRODUCTIONS INC 1212 DYER BLVD KISSIMMEE FL 34741	HARLEY ENGRAVING INC 104 N STEWART AVE KISSIMMEE FL 34741
PANIC PRESS	JORDAN/NORRIS INC	STUDIO GRAPHICS DESIGN
101 W CYPRESS ST	PO BOX 1922	332 W OAK ST
KISSIMMEE FL 34741	KISSIMMEE FL 34741	KISSIMMEE FL 34741
NEWS-GAZETTE	CONSUMER SAVINGS OF KISS	ECKERD EXPRESS PHOTO
108 CHURCH ST	600 N THACKER AVE # D65	1306 N BERMUDA ST
KISSIMMEE FL 34741	KISSIMMEE FL 34741	KISSIMMEE FL 34741
ECKERD EXPRESS PHOTO	DISCOUNT 1 HOUR PHOTO	J & M 1 HOUR PHOTO
3831 W VINE ST	3400 W VINE ST # B	14 W DAKIN AVE
KISSIMMEE FL 34741	KISSIMMEE FL 34741	KISSIMMEE FL 34741
1003 W IRLO BRONSON MEMO	OMAR ATA DDS CENTRAL FLORIDA DENTAL A 205 PARK PLACE BLVD KISSIMMEE FL 34741	CENTRAL FLORIDA RADIATIO
SUNIL M KAKKAR MD	BENJAMIN P DELGADO MD	CENTRAL FLORIDA EAR NOSE
445 W OAK ST	801 W OAK ST	800 N ROSE AVE
KISSIMMEE FL 34741	KISSIMMEE FL 34741	KISSIMMEE FL 34741
REGIONAL ONCOLOGY HEMATO 802 W OAK ST KISSIMMEE FL 34741	REGIONAL ORTHOPAEDIC ASS 110 W DRURY AVE KISSIMMEE FL 34741	201 HILDA ST # 10 KISSIMMEE FL 34741
ROGER V ROECK MD	SAUL MONGE MD	S A HUSSAIN MD
800 N CENTRAL AVE	201 W HILDA ST	801 W OAK ST
KISSIMMEE FL 34741	KISSIMMEE FL 34741	KISSIMMEE FL 34741

CHONNE A BUNCHE

TANG NGUYEN MD ACUPUNCTURE BY M D 429 W VINE ST

KISSIMMEE FL 34741

RUBEN OCASIO-FERRER MD A RAZZAK TAI MD 101 PARK PLACE BLVD 816 W OAK ST KISSIMMEE FL 34741 KISSIMMEE FL 34741

GEORGE W EDWARDS DDS
541 N PALMETTO AVE
SANFORD FL 32771

SANFORD FL 32771

GEMARY FANTUNZZI

EL L H CHERRY DDS
1204 W 13TH ST
SANFORD FL 32771

SANFORD FL 32771 LEWIS J EDGEMON MD DOROTHY CHANDLER GREGORY L ORTEGA 1403 MED PLAZA DR # 100 LARGEN & CLONTZ SURGICAL 819 E 1ST ST GREGORY L ORTEGA MD SANFORD FL 32771 819 E 1ST ST SANFORD FL 32771 SANFORD FL 32771 FELIX A NAVARRO JR MD
1403 MEDICAL PLAZA DR
SANFORD FL 32771

FERNANDO SANGALANG MD
1538 S FRENCH AVE
HARDWICK & SNELL MD
712 W 25TH ST
SANFORD FL 32771 GREENBERG DENTAL ASSOCIA L R MALLAIAH MD JAMES E HIRSCH 819 E 1ST ST # 9 315 N MANGOUSTINE AVE HIRSCH CHIROPRACTIC CENT SANFORD FL 32771 SANFORD FL 32771 SANFORD FL 32771 JOHN W EPPS DDSEDWIN EPSTEIN MDSANFORD FAMILY MEDICAL C245 SAN MARCOS AVE123 LEE AVE2471 S AIRPORT BLVDSANFORD FL 32771SANFORD FL 32771SANFORD FL 32771 ROY VENSON SHARON PIERSON CAMELLA PETERSON CENTRAL FLORIDA REGIONAL SEMINOLE ORTHOPAEDIC ASS SANFORD DIAGNOSTICS 

 1401 W SEMINOLE BLVD
 801 E 1ST ST
 819 E 1ST ST

 SANFORD FL 32771
 SANFORD FL 32771
 SANFORD FL 32771

 ROBERT M ROSEMOND MD SANFORD WELLNESS CENTER CENTRAL FLORIDA NEUROSUR SANFORD CARDIOLOGY ASSOC 541 N PALMETTO AVE 319 N MANGOUSTINE AVE SANFORD FL 32771 SANFORD FL 32771 SANFORD FL 32771 SANFORD ARTIFICIAL KIDNE UROLOGY CENTER UDITA JAHAGIRDAR MD
210 E COMMERCIAL ST 1403 MEDICAL PLAZA DR 319 N MANGOUSTINE AVE
SANFORD FL 32771 SANFORD FL 32771

CENTRAL FLORIDA PEDIATRI JANIE DE VAN
1403 MED PLAZA DR # 109 CENTRAL FLORIDA UROLOGY
SANFORD FL 32771 1403 MEDICAL PLAZA DR
FORD FL 32771 SANFORD FL 32771

SAN

SEMINOLE COMMUNITY MENTA
2462 S PARK AVE
SANFORD FL 32771

JIM MONTOVAN
NEPHROLOGY ASSOCIATES-FL
210 E COMMERCIAL ST
SANFORD FL 32771

NARINDER S AUJLA MD
311 N MANGOUSTINE AVE
SANFORD FL 32771

CAMILLA PETERSON
PAS RADIOLOGY ASSOCIATES
819 E 1ST ST
SANFORD FL 32771

BEEAVED EXE VEROCIVLES	BICHARD P NEWMAN MD	SUEHLATA S PAUDYA MD
BOCKLEDGE FL 32955 833 BARTON BLVD RAYMOND C APPEN MD	BOCKFEDGE EF 35822 1300 EFOBIDY VAE 2 BABEN W DAFYA WD	BOCKFEDGE EF 35822 1085 EIRKE BFAD 2 BOCKFEDGE MYFK IN CFINIC LEBERRY MIFFYBD
BOCKFEDGE EF 35822 1033 EFOBIDY VAE 2 BOXVANNE 10HN2ON WD	BOCKFEDGE EF 35822 1580 EFOBIDY VAE 2 BBEAVBD 2KIN & GYNGEB CE	BOCKFEDGE EF 32955 248 BYBLON BPAD BREAVED DIVGNOSTIC CENTE SHIRLEY SHEAR
KOCKTEDGE ET 35822 1004 BEAEKTA DE BKEAPKD PTTEKGA V22OCIVA TVNKV BKIGG2	HOCKPEDGE EF 35822 1232 COGEMEFF ST BEENVED CVEDIONVECNFVE I	BOCKFEDGE EF 35822 248 BYBLON BFAD BEEAFED FILID CFINIC DOBIS SEFGE
	BOCKFEDGE EF 35822 1001 BEAEBFA DB BICHYBD 1 MEBEB WD	
BOCKFEDGE EF 35822 248 BYBLON BFAD BYEAVBD HEVBL SLADY CENT DOKIS SEVGE	BOCKFEDGE EF 35822 1033 EFOBIDV VAE 2 BOBK BHIFFIBS BODNOS & M HOBSON F MIFSON WD	BOCKFEDGE EF 35822 880 HIGHMVA I DENNIZ 1 CVBWODA DDZ
KOCKFEDGE EF 37922 I42 OBVNGE VAE DENLVF SECIVFISL	BOCKFEDGE EF 35822 101 FONGMOOD VAE EDMYKD M KNIGHL WD	KOCKLEDGE FL 32955 CENTRAL BREVARD OBSTETRI
1264 HIGHWAY 1	BOCKFEDGE EF 35822 1110 CEDVE ST CIECFES OF CARE	1004 BEAEKPA DE
BOCKTEDGE EF 35822 1050 EFOKIDY VAE S AMIFFIYW ELLINGEK WD	BOCKFEDGE EF 35822 1004 BEAEBFA DB 18WEZ M VALOON DDZ	BOCKFEDGE EF 35822 3 OBVNGE VAE 1VWES H HVBEGGEB WD
BOCKFEDGE EF 35822 882 BYBLON BFAD H Y BYNCHYN 18 DDS	BOCKFEDGE EF 35822 1521 EFOBIDY VAE 2 HVNI W VGBVWV WD	FOCKLEDGE FL 32955 1007 BEVERLY DR J FRITZ THOMPSON MD
BOCKFEDGE EF 35822 1521 EFOBIDY VAE 8 OAID E AILVS WD	BOCKFEDGE EF 35822 1004 BEAEBFA DB WICHVEF E FVNE WD	KOCKFEDGE EF 35822 1521 EFOKIDV VAE 2 W V SHVKEK WD
BOCKLEDGE FL 32955	BOCKLEDGE FL 32955	BOCKFEDGE EF 35322 134 S MOODS DB

ARTURO F ESPINOLA MD		ANUP LAHIRY MD 1621 W 1ST ST SANFORD FL 32771
SPNEOKD ET 35771 1403 WED PLAZA DR # 204 BHUPINDER MANGAT MD	SENEORD EL 32771 C R EDWARDS JR DDS	SANFORD FL 32771 MILLIE B SHERMAN JR DDS
CARDIOVASCULAR ASSOCIATE	SVNEOKD EF 35771 S105 S PARK AVE W H RUNGE DDS	SVNEOKD EF 35771 309 N WYNGOUSTINE AVE MING SURGICAL
5401 S EKENCH VAE	SANFORD FL 32771 MILLIE B NEWMAN MD	CENTRAL FLORIDA RADIATIO
	SVNEOKD EF 35111 1403 WEDICVF EFVSV DK # CFADE H CFIWEK WD	
813 E 12T ST	SVNEOKD EF 35771 E KENNETH EKVSEK MD	1400 S PARK AVE
STEPHANIE RUSSI SANFORD FL 32771 SANFORD FL 32771	SVNEOKD EF 35111 503 SVN CVBFOS VAE D E KNICKEBBOCKEB WD	SENFORD FL 32771 902 W 25TH ST RANDALL C BROWN DDS
ROBERT J SMITH MD SALS S PARK AVE SAUFORD FL 32771	SANFORD FL 32771 819 E 1ST ST PETER R PREGANZ MD	SPAROKD EF 35771 1403 WED PLAZA DR # 106 DONNA FEIBELMAN
S K JOSHI 1001 W 1ST ST SANFORD FL 32771	SANFORD FL 32771 655 W FULTON ST SAINT JOHNS EMERGENCY GR	SANFORD FL 32771 ROGER R STEWART DDS
IOSI E SND SL	SANFORD FL 32771 MEDIFAST WEIGHT LOSS PRO MARK A MAGRANI MD	WID EFORIDY OB-CLN SEECI
SVALOKD EF 35771 S417 S FRENCH AVE LILLIE QUINN DDS	RANFORD FL 32771 1403 MEDICAL PLAZA DR # MARC ALFANT DDS	NICHOFVS 1 BYSTIS MD SANTORD FL 32771

	BREVARD MEDICAL CENTERS 915 N COURTENAY PKY &RITT ISLAND FL 32953	280 N SYKES CREEK PKY MEPRITT ISLAND FL 32953
	BREVARD FOOT TREATMENT C 1205 N COURTENAY PKY MERRITT ISLAND FL 32953	825 N COURTENAY PKY
HUMBERTO V MEDINA MD 1395 N COURTENAY PKY MERRITT ISLAND FL 32953	KABANI S EL MD 1375 N COURTENAY PKY MERRITT ISLAND FL 32953	JOSEPH B GLASNER MD 280 N SYKES CREEK PKY MERRITT ISLAND FL 32953
H RODERIC KRING DDS 291 N COURTENAY PKY MERRITT ISLAND FL 32953	GARY E HERBECK DDS 1355 N COURTENAY PKY MERRITT ISLAND FL 32953	M A EL TOBGUI M BREVARD BIRTHING CENTER PO BOX 540009 MERRITT ISLAND FL 32954
PRINTERS 406 RICHARD RD ROCKLEDGE FL 32955	SPACE COAST HOSPITAL SER 1893 MURRELL RD ROCKLEDGE FL 32955	1010 FLORIDA AVE S
CENTRAL FLORIDA WEB INC 375 GUS HIPP BLVD ROCKLEDGE FL 32955	1845 COGSWELL ST	115 GUS HIPP BLVD
FAST FOTO 1874 US HIGHWAY 1 S ROCKLEDGE FL 32955	ECKERD EXPRESS PHOTO ROCKLEDGE SQ ROCKLEDGE FL 32955	
STEVE L CAUDILL DDS 995 EYSTER BLVD ROCKLEDGE FL 32955	TIMOTHY G LANE MD 1257 FLORIDA AVE S ROCKLEDGE FL 32955	PAUL J YOCUM DC YOCOM PAUL J 642 EYSTER BLVD ROCKLEDGE FL 32955
WUESTHOFF HOSPITAL 575 BARTON RD ROCKLEDGE FL 32955	WE CARE CHIROPRACTIC CEN 196 BARTON BLVD ROCKLEDGE FL 32955	JOHN W DUFF JR DDS 1 ORANGE AVE ROCKLEDGE FL 32955
103 LONGWOOD AVE ROCKLEDGE FL 32955	KENNETH W KOREY MD 1007 BEVERLY DR ROCKLEDGE FL 32955	220 CORAL SANDS DR ROCKLEDGE FL 32955
CARDIOLOGY/INTERNAL MED	C J ARNOLD JR MD 1004 BEVERLY DR ROCKLEDGE FL 32955	1300 FLORIDA AVE S

PORT-PERMANDAR & VOODING OF SERVICED VOLARENCE VOLLAGE

PATT PRIISASKT

BKEAVED SAECICAL CENTER	10% VNGETO	DVAID M COMFING DDS
MERRITT ISLAND FL 32953 1045 N COURTENAY PKY EYE CLINIC-MERRITT ISLAN	WERRITT ISLAND FL 32953 1395 N COURTENAY PKY JOLENE ARNOLD MD	WEBBILL ISTVAD EF 35823 400 E WEBBILL VAE CHVBFEZ M CHABCH DDZ
WEERILL ISTYND ET 35823 112 AENELIVN MVA BEGGA E WOOBE DC	WERRITT ISLAND FL 32953 229 CROCKETT BLVD PHYSICIANS WEIGHT LOSS C	WEBBILL ISPVAD EF 35823 1382 N CONBLENVA EKA # 1 BVAF FEEDS WD
WEBELLL ISTYND ET 35323 1332 N CONELENVA EKA EEDEO 7 BODEIGNES WD	MERRITT ISLAND FL 32953 WARD FAMILY CHIROPRACTIC	1132 N CONBLENVA BKA
WEBBILL ISTVAD ET 35823 540 A SAKES CBEEK BKA SBYCE COVSL OBLHOBVEDIC DONAV WYFONE	WEKELLT ISLAND FL 32953 350 N COURTENAY PKY TRAVEN CHIROPRACTIC CLIN	WEBELL ISTAND ET 35823 580 N SAKES CEEEK BEK FVEEK M NISSEN DDS
WERRITT ISLAND FL 32953 1395 N COURTENAY PKY M I MANSOUR MD	1502 N CONBLENVA BKA	WEERILL ISTYND ET 35823 KAPBEWEN 10HN M 10HN M KNPBEWEN
WEBELLT ISLAND FL 32953 AFRITT MEDICAL CENTER RAJ M RAWAL DDS	WEBELL ISTVAD ET 35823 1382 N CONELENVA EKA # 1 NENEOFOGIC VSSOCIVLES	1323 N CONBLENVA BKA
MERRITT ISLAND FL 32953 MERRITT ISLAND FL 32953	WERRITT ISLAND FL 32953 1395 N COURTENAY PKY # 2 A D MARTINEZ MD	WEERILL ISPAND EF 32953 1395 N COURTENAY PKY # 2 P F DELGADO MD
WEBELLT ISLAND FL 32953 1045 N COURTENAY PKY ALBINO Y KUON MD	WERRITT ISLAND FL 32953 1395 N COURTENAY PKY ALEX L ACOSTA MD	1382 N CONBLENVA BKA # 1
42 WCFEOD ST OBTVNDO SENTINEL	242 PATRICK AVE	WERRIT ISLAND FL 32953 RERRIT CROSSINGS ECKERD EXPRESS PHOTO
WERRITT ISLAND FL 32953 1175 N COURTENAY PKY STAN'S PHOTO	WERRITT ISLAND FL 32953 30 N GROVE ST MC ALONEY DESIGN	467 N COURTENAY PKY
WERRITT ISLAND FL 32953	WEBELL ISTVAND ET 35823	

HOWARD DESIGNS INC	CHELSON PRINTING INC	SI NOLE WORK OPPORTUNIT
SANFORD FL 32773	5360 MCINTOSH PT # 130 SANFORD FL 32773	SANFORD FL 32773
WALGREENS DRUG STORES 3822 S ORLANDO DR SANFORD FL 32773	ECKERD EXPRESS PHOTO 3611 S ORLANDO DR SANFORD FL 32773	PAGE 1 HOUR PHOTO 2606 S ORLANDO DR SANFORD FL 32773
MAIL N' WRAP INC 2504 S FRENCH AVE SANFORD FL 32773	UDITA JAHAGIRDAR MD 340 W LAKE MARY BLVD SANFORD FL 32773	TONYA SIMKINICH DUNN & SMITH 2509 PARK DR SANFORD FL 32773
CENTRA CARE MEDICAL CENT 3505 S ORLANDO DR SANFORD FL 32773	DR BILL'S PLACE 4289 S ORLANDO DR SANFORD FL 32773	PATRICK L DELFLORE DDS 2640 HIAWATHA AVE SANFORD FL 32773
SANFORD DENTAL CENTRE 3607 S ORLANDO DR SANFORD FL 32773	LAKE MARY BOULEVARD CHIR 902 E LAKE MARY BLVD # 1 SANFORD FL 32773	ASSURED QUICK PRINT 2425 STATE RD 434 W LONGWOOD FL 32779
CAMERA READY 1220 DOUGLAS AVE LONGWOOD FL 32779	WEBCRAFTERS INC 310 SMOKERISE BLVD LONGWOOD FL 32779	ROLLINS PRESS 210 CROWN POINT CIR # 20 LONGWOOD FL 32779
515 BIRDSONG CT	FRAME N ART SPRING STUDI 165 WEKIVA SPRINGS RD LONGWOOD FL 32779	407 WEKIVA SPRINGS RD
111 HUNTERS TRL S	NEW YORK CONNECTION 1760 SUNWOOD DR LONGWOOD FL 32779	HIGH SCHOOL SPORTS NEWS 871 DOUGLAS AVE LONGWOOD FL 32779
MC CAFFREY & MC CALL ADV 2925 STATE RD 434 W LONGWOOD FL 32779	ALFONSO MIRELES MD LONGWOOD PEDIATRICS 2100 STATE RD 434 W LONGWOOD FL 32779	MARK S OFFENBACK DDS SWEETWATER SQUARE LONGWOOD FL 32779
W MICHAEL INGALLS DDS 2631 STATE RD 434 W LONGWOOD FL 32779	WALTER P LEONARD DDS 2941 STATE RD 434 W LONGWOOD FL 32779	JENARO FERNANDEZ MD 2101 STATE RD 434 W LONGWOOD FL 32779

RONALD E HOLMAN DDS LONGWOOD MEDICAL DENTAL 2100 STATE RD 434 W # B LONGWOOD FL 32779

E DENIS WILSON RICHARD M DUNN DDS METABOLISM TREATMENT CEN 2639 STATE RD 434 W 407 WEKIVA SPRINGS RD # LONGWOOD FL 32779 LONGWOOD FL 32779

TI SAIFFE EF 32780 RESE SPINE CARE CENTER	TOSAIFFE EF 32780	TILDSAIFFE EF 35780 1490 CHENEX HWY 1490 CHENEY HWY
LILDRAIFFE EF 35180 TIS CONNLEA CFOB DE DON W MIFKINS DDS	TITUSVILLE FL 32780 1625 S WASHINGTON AVE GEORGE A WOODRUFF DDS	TITUSVILLE FL 32780 FAMILY DENTAL SVCS
LILNZAIFFE EF 35180 IIS CONNLKA CFNB DE EFI MHILE DDS	LILDEAIFFE EF 35780 315 BAYVIEW ST JAMES W CLARK DDS	LILDSAIPPE EF 35780 1755 S WASHINGTON AVE CRAIG H RICE DDS
	TITUSVILLE FL 32780 3910 S WASHINGTON AVE BREVARD MEDICAL CENTERS	
TILOZAIFFE EF 35780 1347 S WASHINGTON AVE JAN SPAGNOLI DDS	TILOSAIPPE EF 32780 JOHN M STANTON DDS	LILORAIFFE EF 35480 IIS CONNIBA CFOB DE DVFE NVNNA DDS
MIRACLE PHOTO TITUSVILLE FL 32780 TITUSVILLE FL 32780	MARKETING & COMMUNICATIO TITUSVILLE FL 32780 TITUSVILLE FL 32780	TITUSVILLE FL 32780 ORLANDO SENTINEL
MALGREENS DRUG STORES TITUSVILLE FL 32780	737 AVILEZ BLVD	LILORAIPPE EF 35180 4299 HEPENV DK EPVGPEK BKINLEKS-BKEAVKD
TILNEAIFFE EF 35780 FIFE-TIME PHOTO INC	TESE MHILE DE	TILNEAIPPE EF 35780 PONALD PRINTING & GRAPHI
TITUSVILLE FL 32780 4217 S HOPKINS AVE FINE LINE PRINTING & GRA	TONGMOOD EF 35119 301 MEKIAV SEKINGS BD GFVSS & DEKKICK	PONGMOOD EF 35119 5151 SIVIE BD 434 M GEORGE V BAKE WD
CRISTENE MAAS DDS 675 N HUNT CLUB BLVD CRISTENE MAAS DDS	PONCMOOD EF 35116 5132 SIVIE BD 434 M EVELIC SONGENT-FONGMOOD BONVED 1 PVKOSIEMICS	PONCMOOD EF 35119 321 MEKIAY SEBINGS BD EEDIVLEICIVNS CVEE ONIL EBVAK KOFOSKA
PONGMOOD EF 35779 TOTAL LIFESTYLE CENTER LEWIS E GREEN MD	PONGMOOD EF 32779 195 BRIAR CLIFF DR TILLERY ROBINSON & LIGHT	PONGMOOD EF 35119 142 MEKINY SEBINGS BD # BOBEBL B HYMKINS DDS

COURTENAY MEDICAL CENTER 30 FORTENBERRY RD MERRITT ISLAND FL 32952		
CRAIG C YOST DDS 309 MAGNOLIA AVE MERRITT ISLAND FL 32952	ALTERNATIVE PREGNANCY CE 205 MAGNOLIA AVE MERRITT ISLAND FL 32952	KENT N LEIFER MD 375 S COURTENAY PKY MERRITT ISLAND FL 32952
JOHN C BEATY DDS 113 N BANANA RIVER DR MERRITT ISLAND FL 32952	ABELARDO V LACANO MD 300 FORTENBERRY RD MERRITT ISLAND FL 32952	LAIRD C QUENZLER MD 380 S COURTENAY PKY MERRITT ISLAND FL 32952
THOMAS L GARELL MD INTERNAL MEDICINE CLINIC 10 FORTENBERRY RD MERRITT ISLAND FL 32952	225 CONE RD	
BILL HOFFMAN HOFFMAN CHIROPRACTIC CLI 325 E MRRTT ISLE CSWY MERRITT ISLAND FL 32952	150 N BANANA RIVER DR	325 E MERRITT ISLAND CSW
260 FORTENBERRY RD	LEON A COHEN MD 375 S COURTENAY PKY MERRITT ISLAND FL 32952	80 FORTENBERRY RD
BREVARD ARTHRITIS CENTER 375 S COURTENAY PKY MERRITT ISLAND FL 32952	MARK TOMBACK MD 220 S COURTENAY PKY MERRITT ISLAND FL 32952	CAROLYN WYATT MERRITT ISLAND DENTAL GR 450 MERRITT SQUARE MALL MERRITT ISLAND FL 32952
OPTICARE ASSOCIATES 221 MERRITT SQUARE MALL MERRITT ISLAND FL 32952	SANDRA LACANO MERRITT ISLAND RADIOLOGY 300 FORTENBERRY RD MERRITT ISLAND FL 32952	MARK ROSS DDS 455 MAGNOLIA AVE MERRITT ISLAND FL 32952
255 FORTENBERRY RD	CENTER FOR HEALTH IMAGIN 40 FORTENBERRY RD MERRITT ISLAND FL 32952	375 S COURTENAY PKY
215 CONE RD	BREVARD KIDNEY & HYPERTE 375 S COURTENAY PKY MERRITT ISLAND FL 32952	220 S COURTENAY PKY
303 MAGNOLIA AVE	DUPLI PRESS PRINTING 5665 N COURTENAY PKY MERRITT ISLAND FL 32953	3420 N COURTENAY PKY
b i b בפרולה/גיד	ארי הבכיע ליליל\ לילול המולו מוכים (ביו עולילילי	COUDMINIST. MICHOLOGY COUD

ADVANCED ORTHODONTIC GRO 1714 RIVERSIDE DR TITUSVILLE FL 32780	RIE RANEY A.C. SKIN CARE CLINIC 2709 S WASHINGTON AVE TITUSVILLE FL 32780	
LORENZO LAWS DDS 720 OLIVE AVE TITUSVILLE FL 32780	ARNOLD R CAPOBIANCO DDS 1425 S WASHINGTON AVE TITUSVILLE FL 32780	725 S DELEON AVE
	DIRT SHIRTS INTERNATIONA PO BOX 458 TITUSVILLE FL 32781	634 CHILDRE AVE
330 S WASHINGTON AVE	P I P PRINTING 300 N WASHINGTON AVE TITUSVILLE FL 32796	205 N MANTOR AVE
GRAPHIC PRESS 2214 GARDEN ST # B TITUSVILLE FL 32796	NETTIE DUNN MD 1709 GARDEN ST TITUSVILLE FL 32796	1777 GARDEN ST
	PARRISH SAME-DAY SURGERY 1151 N US HWY 1 TITUSVILLE FL 32796	ORTHOPEDIC CLINIC
DEBRA MOSIER MOSIER & CORSE 845 CENTURY MEDICAL DR TITUSVILLE FL 32796	LINDA M KODESCH MD 1781 GARDEN ST TITUSVILLE FL 32796	LARRY C WILLIAMSON DDS 2191 GARDEN ST TITUSVILLE FL 32796
1561 GARDEN ST	MERRITT ISLAND EYE CLINI 2821 GARDEN ST TITUSVILLE FL 32796	835 CENTURY MEDICAL DR
M R I OF NORTH BREVARD	PAUL LEEDS MD 1095 N WASHINGTON AVE # TITUSVILLE FL 32796	1825 JESS PARRISH CT
1901 JESS PARRISH CT	R P PATEL MD SUNSHINE PHYSICAL THERAP 1901 JESS PARRISH CT TITUSVILLE FL 32796	1849 MEDICAL DR
WALTER A CERRATO MD 1311 GARDEN ST TITUSVILLE FL 32796	W J LOWE DDS 1705 GARDEN ST TITUSVILLE FL 32796	W ALSTON BROWN III MD 500 N WASHINGTON AVE TITUSVILLE FL 32796

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WEERLL ISPAND EF 32952 S22 EOKLENBERKY RD G LEONARD GIOIA MD	WEBELL ISPVND EF 35825 500 S CONBLENVA BKA EBEDEBICK MVGGENEB DDS	WERRITT ISLAND FL 32952 255 FORTENBERRY RD ELI E WHITE JR DDS
WEBBILL ISTVAD ET 37827 STO S CONBLENVA DEK OBLHODVEDIC SDECIVIISLS BVBB DENN	WERRITT ISLAND FL 32952 300 MAGNOLIA AVE MERRITT ISLAND FL 32952	WERRITT ISLAND FL 32952 375 S COURTENAY PRY FAMILY DENTAL SERVICES I
WERRITT ISLAND FL 32952 SOUTH MERRITT FAMILY MED LEONARD W VAN EATON M	S28 LOKLENBEKKK KD SBVCE COVZL DEKWVLOFOGK	WERRITT ISLAND FL 32952 195 S COURTENAY PKY STEVE L CAUDILL DDS
WEKKILL ISTYND EF 35825 100 S SAKES CKEEK BKA LIWOLHA W MYHF DDS	MERRITT ISLAND FL 32952 MILLIAM H RUPPERT JR DDS	WERRITT ISLAND FL 32952 650 S COURTENAY PKY WOMEN'S CENTER
195 S COURTENAY PKY	WEBBILL ISPAND EF 32925 30% WEGNOFIV VAE SEBBON E KVA DDS	315 S COURTENAY PKY
100 EOKLENBEKKA KD	RICHARD A BARATTA DDS 150 N BANANA RIVER DR MERRITT ISLAND FL 32952	1300 GARY DR
WERRITT ISLAND FL 32952 S62 E MERRITT ISLAND CSW GREENBACK'S ADVERTISING	MERRITT PHOTO CENTER MALL SQUARE MALL	MERRITT ISLAND FL 32952 131 S COURTENAY PKY THRIFTY NICKEL WANT ADS
WERRITT ISLAND FL 32952 415 MAGNOLIA AVE JOYCE M KIRCHER	249 MERRITT SQUARE MALL	
	I 40 S CONBLENVA BKA	
WERRITT ISLAND FL 32952 275 MAGNOLIA AVE A-TYPE	S12 WYGNOFIY VAE # S	

WERRITT ISLAND FL 32952 MERRITT ISLAND FL 32952 MERRITT ISLAND FL 32952

IC TESS BYEKISH CL	GARDEN STREET CHIROPRACT	HEWATOLOGY & ONCOLOGY
1312 GVEDEN ST	LILDSAIFFE EF 35196 1102 GARDEN ST 10HN M VNDKEMS DDS	TITUSVILLE FL 32796 H T WALKER DDS
LILDEAIFFE EF 35796 1781 GARDEN ST GARDEN SQUARE PROFESSION	LILDRAIFFE EF 35186 S200 GVEDEN ST GEBONIWO A CVNFVZ WD	GOODE CHIROPRACTIC CTR
TITUSVILLE FL 32796 1561 GARDEN ST TITUSVILLE FL 32796	BEEAVED OB/GAN VZZOCZ	LILDENIFFE EF 35196 1201 GERDEN ST BEENERD SKIN & CENCER CE
BEN C STOREY MD BEN C STOREY MD	LILDRAIFFE BF 35496 860 CENTURA WEDICAL DR ALBINO Y KUON MD	
ATLAUTIC COAST OB/GYN SP		TITUSVILLE FL 32796 500 N WASHINGTON AVE DAVID R ANCONA MD
852 CENLINKA WEDICAL DR	LILUSVILLE FL 32796 500 N WASHINGTON AVE DOUGLAS J ANDERSON MD	DVAID N CEEENBLUM MD
1309 GARDEN ST	LILDRAIFTE EF 35186 200 M MYSHINGLOM VAE # 5 DYAID MOOFDBIDGE WD	TITUSVILLE FL 32796 DAVID KOVACS MD
LILDSAIFFE EF 35796 1095 N WASHINGTON AVE JOHN ZAMBOS MD	SHYAM VERMA MD 801 GARDEN ST TITUSVILLE FL 32796	LILORAIPPE EF 35196 860 CENTURY MEDICAL DR SPACE COAST UROLOGY CLIN Y V SACHDEV MD
LILORAIFFE EF 35196 1842 WEDICYF DE 25YCE COVEL ELE CYBE WICHVEF FYNDBENEYN WD	LILNEAIFFE EF 35186 200 N MYZHINGLON VAE # 1 ZHYEELEE CHIBODBYCLIC CF	
KADIATION THERAPY CENTER TITUSVILLE FL 32796	LILDEAIFFE EF 35196 1622 TESS DVERISH CT SVWIK EFIVS WD	SPACE COAST CARDIOLOGY A

	BURK PHILLIPS PODNOS & W 1790 A1A HWY CELLITE BEACH FL 32937	MELBOURNE FL 32937
STAN LEE KROMASH DDS 2000 S PATRICK DR MELBOURNE FL 32937	WILLIAM C HALE DDS 2000 S PATRICK DR MELBOURNE FL 32937	R E ROY DDS 2000 S PATRICK DR MELBOURNE FL 32937
ROBERT K BISSET MD 2040 A1A HWY # 209 MELBOURNE FL 32937	ROBERT B DOWNEY DDS 2000 S PATRICK DR MELBOURNE FL 32937	MARK C STEWART DDS 1413 S PATRICK DR MELBOURNE FL 32937
215 JACKSON AVE	MARK D JULIAN MD 599 SHERWOOD AVE SATELLITE BEACH FL 32937	IRELAND FAMILY PRACTICE
UNITED DENTAL GROUP 1324 A1A HWY SATELLITE BEACH FL 32937	JOHN F MARSCHNER DDS 2000 S PATRICK DR MELBOURNE FL 32937	FLURO-PRINT PRODUCTS 2955 PINEDA CSWY MELBOURNE FL 32940
ACTION MAIL CENTER 6055 N WICKHAM RD MELBOURNE FL 32940	SUNTREE CLINIC 6300 N WICKHAM RD MELBOURNE FL 32940	SUNTREE DIAGNOSTIC CENTE 6300 N WICKHAM RD MELBOURNE FL 32940
KABANI S EL MD PINEDA OBSTETRICS & GYN 6300 N WICKHAM RD MELBOURNE FL 32940	2955 PINEDA CSWY # 112	33 SUNTREE PL
MELANIE KAMINSKI SUNTREE FAMILY MEDICAL S 6983 N WICKHAM RD MELBOURNE FL 32940	DONALD G RHODES DDS 2990 BUSINESS CENTER BLV MELBOURNE FL 32940	
BRUCE KRAMER MD 2955 PINEDA CSWY MELBOURNE FL 32940	PHILLIP ESTES DDS 7025 N WICKHAM RD # 105 MELBOURNE FL 32940	MELBOURNE EYE ASSOCIATES 6765 N WICKHAM RD MELBOURNE FL 32940
MARTIN G JOHNSON MD 425 PINEDA CT MELBOURNE FL 32940	CHELATION THERAPY CENTER 1200 MALABAR RD MALABAR FL 32950	PAT PATTERSON MEDICAL ARTS RADIOLOGY 1305 S OAK ST MELBOURNE FL 32951
FLOYD T BRYAN MD 1402 OAK ST MELBOURNE FL 32951	MICHAEL T ALEXANDER DDS 524 OCEAN AVE MELBOURNE BEACH FL 32951	SOUTH BREVARD IMAGING

INTERNATIONAL VINUER PRE A TO Z REPRODUCTION CER SCORE PRINCIPA CO

MELBOURNE FL 32951

E TAPIA-RUANO MD 500 N WSHNGTN AVE # 106 TITUSVILLE FL 32796	UGLAS J ANDERSON MD 1713 GARDEN ST TITUSVILLE FL 32796	EI M BUSCH MD 1504 GARDEN ST TITUSVILLE FL 32796
FRANK M COLOMBO DDS 2670 GARDEN ST TITUSVILLE FL 32796	FRANK T DIENST MD 123 S PARK AVE TITUSVILLE FL 32796	CAROLYN FULMER FAMILY PRACTICE MEDICAL 502 GARDEN ST TITUSVILLE FL 32796
DOUBLE TAKE ADVERTISING 1101 W HIBISCUS BLVD # 1 MELBOURNE FL 32901		MINUTEMAN PRINTERY 107 E NEW HAVEN AVE MELBOURNE FL 32901
1905 S BABCOCK ST	EXPRESS PRESS PRINTING & 2415 S BABCOCK ST MELBOURNE FL 32901	439 S BABCOCK ST
JOHNSON PRINTERS 750 W NEW HAVEN AVE MELBOURNE FL 32901		GRAPHIC ARTS CENTER INC 903 E NEW HAVEN AVE MELBOURNE FL 32901
	BROADFIELD BUSINESS CARD 1900 S HARBOR CITY BLVD MELBOURNE FL 32901	AMERIQUICK INSTANT PRINT 315 E STRAWBRIDGE AVE MELBOURNE FL 32901
O'LEARY-O'NEAL ASSOC 100 RIALTO PL MELBOURNE FL 32901	MARKETING DYNAMICS CO 1800 PENN ST MELBOURNE FL 32901	R H ROSEQUIST & ASSOC 21 W FEE AVE # C MELBOURNE FL 32901
819 E STRAWBRIDGE AVE	SPEEDY'S ORIENTAL FOOD & 845 S BABCOCK ST MELBOURNE FL 32901	1305 S BABCOCK ST
2003 VERNON PL	GOLDEN YEARS SENIOR NEWS 233 E NEW HAVEN AVE MELBOURNE FL 32901	2210 S FRONT ST # 307
909 E NEW HAVEN AVE # 20	59 1/2 MINIT FOTO 101 E NEW HAVEN AVE MELBOURNE FL 32901	21 W FEE AVE # B

IDEA FARMEASTER SEAL CENTERRADIATION ONCOLOGY CENTE720 E NEW HAVEN AVE # 113661 S BABCOCK ST1350 S HICKORY STMELBOURNE FL 32901MELBOURNE FL 32901MELBOURNE FL 32901

SHETDON COE DDS	KVX bHIFFIb2	DENTAL SPECIALISTS
MELBOURNE FL 32937 1413 S PATRICK DR # 4 1400RNE FL 32937	MELBOURNE FL 32937 2194 A1A HWY ATLANTIS C T CENTER	WETBONBURE ET 32937 2033 S DATRICK DR BEVCH WEDICVT CEUTER 1PWES WALLACE
WEFBOOKKE EF 32937 2194 VIV HMX # 205 GARY M PALSIS DDS	SATELLITE BEACH FL 32937 1186 A1A HWY JAN LE MASTERS	SATELLITE BEACH FL 32937 SATELLITE BEACH FL 32937 IMPLANT & GENERAL DENTIS
	28 SEPTILE BEACH FL 32937 1620 A1A HAY 1644 BELL DDS	
SATELLITE BEACH FL 32937 1402 AIA HWY FAMILY CHIROPRACTIC CENT	SATELLITE BEACH FL 32937 1326 AIA HWY FERNANDO D NEVES MD	WETBOURNE ET 32937 1861 S PATRICK DR WAIL & MORE
882 BINELKEE DE	WELBOURNE FL 32937 991 E EAU GALLIE BLVD EAU GOLLY ONE-HOUR PHOTO	WETBONBUE ET 3533 508 E EVN GVETIE BEAD WVIF EFNS
<b>533 NE 3KD SL</b>	SEC LOGGERHEAD ISLAND DR SATELLITE BEACH FL 32937 SATELLITE BEACH FL 32937	450 MIPSON VAE
SATELLITE BEACH FL 32937 SATELLITE BEACH FL 32937	WETBOURNE ET 32937 274 E EAU GALLIE BLVD QUALITY PHOTO INC	MELBOURNE FL 32937 260 E EAU GALLIE BLVD WALGREENS DRUG STORES
WETBONBUE ET 35331 881 E EVN GYTTIE BUAD # MBVB-U-BVCK BUNS	WEFBOOKNE EF 3533 111 BINELKEE DK DESIGN GKYBHICS OE BKEAV	MELBOURNE FL 32937 CENTURY 2001 CUSTOM SCRE
WELBOURNE FL 32937 1859 S PATRICK DR PRINTFAST & OFFICE SUPPL	MELBOURNE FL 32937 1300 PINETREE DR ALL-STAR PRINTING	WETBONBNE EF 35336 I GENNELL EFS SEVCE COESL LEFKING EHON
WEFBOOKNE EF 35336 BO BOX 360836 BKEAVKD SHOBBING NEMS	WEFBOOKNE EF 35832 5800 FVKE MYCHINCLON KD DENNIC E CYFFEK DDC	WETBONBUE ET 35832 1310 SVBUO BD DENNIS K KING WD
WETBOOKER ET 35332 1000 M EVO GVETIE BEAD #	WELBOURNE FL 32935	WETBONENE EF 35332 1520 M EVN GVFFIE BFAD #

WEPBONBNE EF 35801 82 E ZHEKIDVN BD CBVIG DEFIGDIZH WD	метволкик ыт зхаот	WETBOOKKE LT 35301
WEFBOORNE EF 35301 330 E HIBIRGNE BFAD REPOORNE EF 35301	WETBONBNE ET 32901 SIO E HIBISCNS BLVD KYAN FAMILY CHIROPRACTIC	STUART P MILLER MD STUART P MILLER MD
MELBOURNE FL 32901 1307 1/2 S BABCOCK ST RICHARD N BETZ MD	WELBOURNE FL 32901 1704 AIRPORT BLVD RONALD E RICHARDSON JR D	WELBOURNE FL 32901 1341 S HICKORY ST # 102 PABLO ENRIQUEZ MD
WEFBONENE EF 35301 400 2 BYBCOCK 2L BICHYED M FEONG 1E DDS	WEFBOOKKE EF 35801 1352 2 BINE 2L BICHYKD M 2CHWID DD2	MELBOURNE FL 32901 1920 S BABCOCK ST RICHARD E GOULDING MD
MELBOURNE FL 32901 WILLIAM S WARDEN MD	WEFBOURNE EF 32901 1581 S HICKORY ST VICTOR M ALVAREZ MD	WEFBORKNE EF 35301 1581 2 HICKOKK M 2 FVNEOKD WD
WELBOURNE FL 32901 1341 S HICKORY ST # 101 SURGICENTER OF FLORIDA	WELBOURNE FL 32901 21 W FEE AVE # D TOM STELTER	WEFBORKNE EF 35801 SO2 M NEM HYNEN YNE MIFFIYW C BELEES DDS
- IIE SILVER PALM AVE THOMAS J VITALE MD	WELBOURNE FL 32901 200 MICHIGAN AVE THOMAS D FIELDS MD	WETBONEME EF 35801 1201 2 KINEKNIEM DK 2BYCE COVEL NEONVLOFOGK 2VNDKV F FOEB WD
WEFBONEME EF 37801 1376 OVK ST SEDV DOMONEM		WELBOURNE FL 32901 111 E HIBISCUS BLVD PLASTIC SURGERY ASSOCIAT CURTIS GUY MD
		WETBONENE ET 35301 111 E HIBIRCNS BEAD ETVELIC & BECONSTRUCTIVE CURT GUY
WETBONBUE EF 35801 1308 E NEM HVAEN VAE BVFBH C BOBINSON DDS	WEFBORENE EF 32901 1333 GATEWAY DR # 1006 RADIOLOGY ASSOCIATES	MELBOURNE FL 32901 1405 S PINE ST PETER P ZABINSKI MD
WEFBOOKKE EF 35301 1352 2 LIKE 2T # 103 EVA F BOFFOCK & VEROCIVE EKVKK BELLIKVIO DDS	WETBONENE EF 35801 1331 Z AVFENLINE ZL EVAWOND V VEWZLEONG WD	WEIBOURNE FL 32901 1350 S HICKORY ST FADIOLOGY ASSOCIATES-BRE

PRIEST CHIROPRACTIC 1751 SARNO RD MELBOURNE FL 32935	UNITED DENTAL GROUP 2447 N WICKHAM RD # K BOURNE FL 32935	493 N HARBOR CITY BLVD MELBOURNE FL 32935
WILLIAM F POTTER DDS 2268 SARNO RD MELBOURNE FL 32935	RAJ M RAWAL DDS 2900 LAKE WASHINGTON RD MELBOURNE FL 32935	WILLIAM E HAMBEL DDS 313 N BABCOCK ST MELBOURNE FL 32935
CLARK S BROWN DDS IMPLANT DENTISTRY OF FLO 2113 SARNO RD MELBOURNE FL 32935	JACK D BERGSTRESSER DO 508 N HARBOR CITY BLVD MELBOURNE FL 32935	JOHN T TEEGEN MD 477 N HARBOR CITY BLVD MELBOURNE FL 32935
GREGORY WASER MD 1801 SARNO RD MELBOURNE FL 32935	GOODE CHIROPRACTIC CENAE 1300 CROTON RD MELBOURNE FL 32935	ANN P BLECH MD HOLMES PHYSICIANS CARE 2240 N WICKHAM RD MELBOURNE FL 32935
511 N HARBOR CITY BLVD #	HARVEY HESTER MD MELBOURNE COUNSELING CEN 1425 AURORA RD MELBOURNE FL 32935	MELBOURNE CHIROPRACTIC
NORMAN F FAIN JR MD 519 N HARBOR CITY BLVD MELBOURNE FL 32935	LEE N SHELDON DDS 2223 SARNO RD MELBOURNE FL 32935	MARK C STEWART DDS 22 E NELSON AVE MELBOURNE FL 32935
ALBERT H CLAIR DDS MELBOURNE DENTAL ASSOCIA 2261 SARNO RD MELBOURNE FL 32935	BACK & NECK PAIN CHIROPR 514 LOVERIDGE DR MELBOURNE FL 32935	BACHU C PATEL MD 469 N HARBOR CITY BLVD MELBOURNE FL 32935
1250 W EAU GALLIE BLVD #	BHASKER P PATEL MD 2850 LAKE WASHINGTON RD MELBOURNE FL 32935	1576 DIXIE WAY
A CHIROPRACTIC CLINIC IN 380 N WICKHAM RD # A MELBOURNE FL 32935	A ALANTIC CHIROPRACTIC C 31 NELSON AVE MELBOURNE FL 32935	AURORA CHIROPRACTIC CLIN 1425 AURORA RD MELBOURNE FL 32935
ALFRED F TORTORELLI DDS 481 N HARBOR CITY BLVD MELBOURNE FL 32935	CENTER FOR SLEEP RELATED 1370 SARNO RD # F MELBOURNE FL 32935	JOHN A BELL DDS EAU GALLIE FAMILY DENTIS 2100 N WICKHAM RD MELBOURNE FL 32935
MARLENE ABLE EAU GALLIE FAMILY DENTIS 2100 N WICKHAM RD MELBOURNE FL 32935	FAMILY DENTAL SERVICES I 220 N BABCOCK ST MELBOURNE FL 32935	COLLEEN MILLS FAMILY PRACTICE ASSOCIAT 1600 W EAU GALLIE BLVD # MELBOURNE FL 32935
E W FODGSON DOS	COTON FIRATION STRANGES	ריכי א זען - זי פיפיקירי

BUSSELL F VANN DDS		CRECORY C PRIEST
WETBONKKE EF 37832 1421 SYKHO ED E 1 SYKDEKS DDS	WELBOURNE FL 32935 CHAMPION ART STUDIO	1462 GUAVA AVE
WEFBOREME EF 35332 1824 M MICKHYW ED ECKEED EXERESS ENOTO	1900 ARORUA 00e1	WETBONKNE ET 3532 505 N HYBBOK CILK BEAD 60 WINNIE DEAETOBING INC
WETBONENE ET 37832 1404 HIGHTVND VAE BECKEE ZINDIO	WETBONBNE EF 35832 5088 SYENO ED I HONE EHOLO	WEFBONENE EF 35332 1467 GUAVA AVE PAUL R BARKER DESIGNER
5421 N MICKHYW KD	WETBOOBNE LF 35332 543 N BYBCOCK 2L COOLHEBN LHOLO COLLIN	
478 BALLARD DR # 30	WELBOURNE FL 32935 2885 ELECTRONICS DR AARDVARK CUSTOM PRINTING	WEFBOOKNE EF 32932 448 N HYBBOK CILK BFAD KOBK KYL BEINLING
WETBONENE ET 35332 5112 N HYBBOB CILL BEAD FONG BEINLING	MELBOURNE FL 32935 1684 N HARBOR CITY BLVD ACTION QUICK PRINT	WELBOURNE FL 32935 1529 N HARBOR CITY BLVD SIR SPEEDY PRINTING CTR
930 M EVN GYFFIE BFAD	WETBOOKNE ET 35832 1000 IWEESSIONS EKINTIN	1310 PAKE WASHINGTON RD
380 M MICKHYW BD	WELBOURNE FL 32935 517 N HARBOR CITY BLVD AD SPECIALTIES & SIGNS I	WETBOOKNE ET 32934 3226 TVKE WASHINGTON RD BABCOCK DENTAL CENTER
	WEFBOURNE EL 32934 3128 FEKE WASHINGTON RD WAIL PLUS	
WETBONKNE EF 38334 4000 DOM ED # 3 AIRNYF EKODNCLIONS	WETBOOKKE ET 35834 4520 DOM ED OBFVADO SEKLIKET	WETBOOKKE ET 32334 S32 NOKIH DE EKVKKTIN EKESS-BKENVKD
WETBOOKNE ET 35334	COCOV BEVCH EF 35335	COCOV BEVCH EF 35331

DAVID ROSNER DDS 1325 S PINE ST MELBOURNE FL 32901	LE S RYON MD 1301 S HICKORY MELBOURNE FL 32901	72∪ E NEW HAVEN AVE
CARDIOLOGY ASSOCIATES 1351 S HICKORY ST MELBOURNE FL 32901	RICHARD B MOORE MD CARDIOLOGY ASSOCIATES 1351 S HICKORY ST MELBOURNE FL 32901	CHRISTINE MC CARTY MD 201 E SHERIDAN RD MELBOURNE FL 32901
CAROL PALLADINO CONSUMERS' DENTAL CARE C 811 S BABCOCK ST MELBOURNE FL 32901	COMPREHENSIVE MEDICAL CA 2202 BABCOCK ST	
FRANCIS S POOSER MD 1301 S HICKORY MELBOURNE FL 32901	FLORIDA EYE CARE INC-MEL	201 E HIBISCUS BLVD
	H S SIMMONS DDS 1937 CENTRAL BLVD MELBOURNE FL 32901	
JOHN CARTER E N T HEALTH & SURGICAL 1281 S HICKORY ST # C MELBOURNE FL 32901	1305 S HICKORY	F EDWARD TENEWITZ MD 1601 S APOLLO BLVD MELBOURNE FL 32901
N BREZE FAMILY DENTISTRY 2103 S BABCOCK ST MELBOURNE FL 32901	F L REMARK MD 301 E SHERIDAN RD MELBOURNE FL 32901	BASIL THEODOTOU MD 1601 S APOLLO BLVD MELBOURNE FL 32901
25 E SILVER PALM AVE	BELINDA E DICKINSON MD 1325 S APOLLO BLVD MELBOURNE FL 32901	1304 S OAK ST
	ADVANCED MEDICAL DIAGNOS 1051 S HICKORY ST # K MELBOURNE FL 32901	
ATHAN P KARTSONIS MD 1355 S HICKORY ST # 101 MELBOURNE FL 32901	ARTHROSCOPY KNEE CLINIC 330 E HIBISCUS BLVD MELBOURNE FL 32901	VICTOR C APEL DDS AMERICAN DENTAL HEALTH C 1514 S BABCOCK ST MELBOURNE FL 32901

ANTHONY J INSERILLO MD 1314 S PINE ST MELBOURNE FL 32901

ERNEST MORRIS MD
BREVARD HAND CENTER
205 E NASA BLVD
MELBOURNE FL 32901

BRUCE E ALBER MD 930 S HARBOR CITY BLVD # MELBOURNE FL 32901

WELBOURNE FL 32901 26 E SHERIDAN RD MF OURNE INTERNAL MEDIC PHILIP PIAESCKI	WEFBONKNE EF 35301 772 E NYSY BFAD TBONKNE OKTHOPAEDIC WYKK BKIWEK	WETBONENE EF 35301 103 E SIFNEK BYFW VNE WEFBONENE BEACHIVLEKA 1VNIE HNNL
WETBOURNE ET 35801 1322 S HICKOKK ST # 505 WETBOURNE EKE VSSOCIVLES WOTTK SULHEBTVND	IOI E LIOBIDY VAE	WELBOURNE FL 32901 930 S HARBOR CITY BLVD # TAMMY BENNETT
WETBOURNE FL 32901 1330 S PINE OBSTETRICS & GYNECOLOGY	WEFBONKNE EF 35301 1400 BINE ST BYKAESH BYNSYF WD	WETBONEME EF 35801 1800 S HEBBOE CILK BEAD NACFEEE WEDICINE ESSOCIE
WETBOURNE ET 32901 2323 S BABCOCK ST WERRILL & RINALDI CHIROP	WETBONKNE LT 35301 1433 2 HYBBOK CILK BEAD NENBO DIVGNOZLIC CENLEK CHEIZLOLHEK LENZINZKI DO	WETBONENE ET 35301 333 E SHEKIDVN KD WETBONENE DEKWYLOTOGA SLEBHEN HOKNETT WD
	WETBONENE ET 35301 5505 2 BYBCOCK 2L # 50¢ WEDICYT 25EC2 & CON2NTLY E CHYNDEY WD	WELBOURNE FL 32901 729 E STRAWBRIDGE AVE MARC ALFANT DDS
1250 S BYBCOCK ST	310 E SLEVMBEIDGE VAWETBOM WYTBONENE MYTK IN CFINIC LYEIDEH EYDLYE	
WETBOURNE ET 35801 3120 2 BYBCOCK 2T # FI WETBOURNE CHIBO CTINIC	WETBOOKNE ET 35301 1400 2 VEOTTO BTAD WETBOOKNE KIDNEK CENLEK	WETBONBUE ET 35301 1402 S AVTENTINE ST WETBONBUE DENTURE SERVIC STEVEN HOOK
WELBOURNE FL 32901 1317 S OAK ST LEE BODENDORFER	WETBONKNE ET 35301 1508 S HYBBOK CILK BEAD WETBONKNE EY CFINIC SLELHEN BOKSYNKI WD	WEFBORENE EF 35301 502 E NYZY BFAD # 501 BEEAYED EXE CENLEE
WETBOURNE ET 35801 500 E HIBIZCUS BLVD BREVARD MEDICAL CENTERS MIKE YUKNUS	WETBOOKKE ET 35301 SI M EEE VAE # D BEEAVED SLINE CENTER	
WETBOURNE ET 35801 332 E ZHEKIDVN KD BKEAVKD VITEKGA VZZOCZ EVILH LANDVIT	WETBONKNE ET 35301 IJ E ZITNEK BYTW VNE BEENVED DEEWALOFOGK CLE KYLHK ØNINN	WEFBONENE EF 35301 1321 2 HICKOBA 2T CVEDIOFOGA VZZOCIVLEZ LHOWVZ M ZMVIN WD
WETBOURNE ET 35801 1581 2 HICKOBA 2L # E CYBDIOTOGA 2BECIVTIZLZ LHOWYZ E BOZE WD	WETBONKNE ET 35301 1001 S VEOLC SURGICAL CHARLOTTE DEUBLE	WETBONBUE ET 35301 815 E SLBYMBEIDGE VAE BEENVED CHIBOBBYCLIC CEN

INTERNAL MEDICINE CLINIC 333 W COCOA BEACH CSWY COCOA BEACH FL 32931	333 W COCOA BEACH CSWY COCOA BEACH FL 32931	4301 N BANANA RIVER BLVD COQOA BEACH FL 32931
GLEN P MUSSELMAN MD 333 W COCOA BEACH CSWY COCOA BEACH FL 32931	BERNARD H MC LAUGHLIN MD 333 W COCOA BEACH CSWY COCOA BEACH FL 32931	LAIRD C QUENZLER MD BEACH OPTICIANS 503 N ORLANDO AVE # 102 COCOA BEACH FL 32931
BREVARD CARDIOLOGY GROUP	BRADLEY SCHIFF DDS 1980 N ATLANTIC AVE # 90 COCOA BEACH FL 32931 OCOA BEACH FL 32931	ABEL GLASNER & VON THRON
WILLIAM M QUINTER DDS 117 N ORLANDO AVE COCOA BEACH FL 32931	ANTONIO CATASUS MD 80 WOODLAND AVE COCOA BEACH FL 32931	ADEL T FAHMY MD 150 E COLUMBIA LN COCOA BEACH FL 32931
	COURTENAY MEDICAL CENTER 2003 N ATLANTIC AVE COCOA BEACH FL 32931	503 N ORLANDO AVE
DAVID K ROSS DDS 30 N WOODLAND AVE COCOA BEACH FL 32931	DALE B ADAMSON MD 5490 N ATLANTIC AVE COCOA BEACH FL 32931	CHARLES A THOMAN JR MD 15 N ORLANDO AVE COCOA BEACH FL 32931
JEFFREY ARAJ MD CENTRAL FL ELECTROLYSIS 1325 N ATLANTIC AVE BLDG COCOA BEACH FL 32931	LORI DOMINGUES COCOA BEACH DERMATOLOGY 333 COCOA BEACH CSWY COCOA BEACH FL 32931	J B ADAMSON MD CLINICAL PATHOLOGY LAB 5490 N ATLANTIC AVE COCOA BEACH FL 32931
L R WELLS MD 2210 S ATLANTIC AVE COCOA BEACH FL 32931	SANTIAGO LEYTE-VIDAL MD 465 MINUTEMEN CSWY COCOA BEACH FL 32931	ROBERT M DEEB MD 150 E COLUMBIA LN COCOA BEACH FL 32931
RICHARD N BETZ MD 37 N BREVARD AVE COCOA BEACH FL 32931	SHARON FAHMY DDS 150 E COLUMBIA LN COCOA BEACH FL 32931	JANET P GRIFFIN TURNER & MUIR 1980 N ATLANTIC AVE # 52 COCOA BEACH FL 32931
TIM ELLIS DDS 485 MINUTEMEN CSWY COCOA BEACH FL 32931	THOMAS D WILLIAMS DDS 112 DIXIE LN COCOA BEACH FL 32931	BOB PEREIRA DC PEREIRA BOB 350 N ATLANTIC AVE COCOA BEACH FL 32931
MICHAEL R ZIGAN DDS 495 MINUTEMAN CAUSEWAY COCOA BEACH FL 32931	PATRICK B MC KEE MD 100 N ORLANDO AVE COCOA BEACH FL 32931	MARCO A LEYTE-VIDAL DDS 465 MINUTEMEN CSWY COCOA BEACH FL 32931
T MAYOU DODDER DOO		

MERCIND & RIGHTAND RIGHTED DATE ADDODED PROTECTION

L WAYNE BOBBEN DOS

	vanantaria.	
HUGO R DUJOVNE MD 700 E MELBOURNE AVE MELBOURNE FL 32901	CHAEL MEANS FOLMES REGIONAL MEDICAL 1350 S HICKORY ST MELBOURNE FL 32901	I SIL KELLER MD 2202 S BABCOCK ST # 200 MELBOURNE FL 32901
JOE M CREEL DDS 100 W NEW HAVEN AVE MELBOURNE FL 32901	J K PATEL MD 1331 S VALENTINE ST MELBOURNE FL 32901	SUE HAYES HOLMES REGIONAL HEALTHCA 1035 S APOLLO BLVD MELBOURNE FL 32901
HICKORY ASSOCIATES	JOANNE TOSCA HICKORY DIAGNOSTIC CENTE 1051 S HICKORY ST # F MELBOURNE FL 32901	1350 S HICKORY ST
HOLMES REGIONAL HEALTHCA 1051 S HICKORY ST # A MELBOURNE FL 32901	HOLMES REGIONAL HEALTHCA 1333 GATEWAY DR MELBOURNE FL 32901	JOHN C TURSE MD 1341 S HICKORY ST #111 MELBOURNE FL 32901
JOSEPH A GURRI MD 1318 S PINE ST MELBOURNE FL 32901	JOSE RUIZ MD 1324 S VALENTINE ST MELBOURNE FL 32901	JOSEPH L COLLINS MD 116 SILVER PALM AVE MELBOURNE FL 32901
KIMBERLY A BRACKETT DDS 1302 E NEW HAVEN AVE MELBOURNE FL 32901	JUAN A PEREZ-BALBOA MD 1506 S APOLLO BLVD MELBOURNE FL 32901	1305 S VALENTINE ST
JOHN G MADRY JR MD 1341 S HICKORY MELBOURNE FL 32901	JOHN L JACKSON MD 1355 S HICKORY MELBOURNE FL 32901	JOHN M GAYDEN JR MD 1251 S HICKORY ST MELBOURNE FL 32901
JOHN HERMANSDORFER MD 1251 S HICKORY ST MELBOURNE FL 32901	JOHN H POTOMSKI JR DO 720 E NEW HAVEN AVE MELBOURNE FL 32901	FLAMINGO PRINTING INC PO BOX 188 MELBOURNE FL 32902
PAPERS UNLIMITED INDIALANTIC FL 32903	M J B ENTERPRISES 112 MARS CT INDIALANTIC FL 32903	ECKERD EXPRESS PHOTO 818 N HIGHWAY A1A INDIALANTIC FL 32903
MEDIA SERVICES 134 5TH AVE INDIALANTIC FL 32903	STACKIG SANDERSON & WHIT 134 5TH AVE INDIALANTIC FL 32903	MELBOURNE DIRECT ADVERTI 1220 N HIGHWAY A1A # 4 INDIALANTIC FL 32903

JOSEPH R CWIKLA DDS 404 5TH AVE INDIALANTIC FL 32903 JOHN L WEARE MD 233 6TH AVE INDIALANTIC FL 32903 JULIAN SAXE MD 230 5TH AVE INDIALANTIC FL 32903

CVEA NAMBOCKI DDS	тони м вкоричи мр	THOWAS L GARELL MD
COCOV BEVCH LF 35331 422 WINGLEWEN CZMY HEWVLOFOGY & ONCOLOGY CO	COCOV BEVCH EF 32931 333 M COCOV BEVCH CRMA HVDDEN HVBTOM & BVDN ENGENE HVDDEN WD	COCOV BEVCH EL 32931 1980 N VILLANTIC AVE EDDIE V MERCADO MD
1980 N ATLANTIC AVE	COCOA BEACH FL 32931 COCOA BEACH FL 32931	1675 N ATLANTIC AVE
COCOV BEVCH LF 35331 30 MOODFVND VAE LEKELDOON KHORHNOOD WD	COCOA BEACH FL 32931 SES ATLANTIC AVE SESCH FL 32931	SOSI N VITVNIC VAE
COCOA BEACH FL 32931 WALGREENS DRUG STORES	COCOA BEACH FL 32931 2023 N ATLANTIC AVE MAILBOXES ETC	
COCOA BEACH FL 32931 ECKERD EXPRESS PHOTO	140 CYNYAEBYP BPS	COCON BEACH FL 32931 12 HARBOR CIR BRIGHT IDEAS GRAPHIC DES
2100 N ATLANTIC AVE	COCOV BEVCH EF 32931 3000 N ATFVNTIC AVE # 20 WARKETING INTELLIGENCE I	COCOA BEACH FL 32931 1980 N ATLANTIC AVE # 13
21 N OKFVNDO VAE	GRAPHIC TYPESETTING & DE 41 N ORLANDO AVE GRAPHIC TYPESETTING & DE	
COCOV EF 35857 10HN G CAREY MD	COCOV EF 32926 3815 N US HIGHWAY I BREVARD HEALTH IMAGING S	COCOV EL 32926 3935 N US HIGHWAY I GARY E BAUM
COCOV EF 37876 3812 N NZ HIGHMAK I # 78 VEBLIED GEVBHICZ	COCOV EF 35853 OBTWNDO RENTINEL	COCOV EL 32922 1317 WESTPOINT DR BREVARD MEDICAL GROUP-CO
96 WILLARD ST # 102	COCOV EF 35855 203 DEFVANOX VAE AIFFVGE INLEKAVF WEDICIN	BEENVED OB/CAN V22OC
COCOV EF 32922	COCOV EF 35855	COCOV EL 32922

WETBONENE ET 35804 1100 M NEM HYNEN VNE MYTGEENS DENG SLOEES	ECKEED EXBEESS BHOLO	WE ROURNE FL 32904  NE MANAGEMENT ST  ME SOURNE FL 32904
WELBOURNE FL 32904	WETBOOBNE ET 35804	WELBOURNE FL 32904
2110 S DAIRY RD	212 8 MICKHYW ED # E	1128 S WICKHAM RD
PARAGON PRINTING & GRAPH	EXCET BEINLING	INK BLOT PRINTING & COPY
WETBOURNE EL 32904	MELBOURNE FL 32904	WEFBOOKNE EF 32904
1608 CORAL DR	1954 DAIRY RD	5893 M NEM HVAEN VAE
TRI-CO SCREEN PRINTING	INTERNATIONAL MINUTE PRE	BEINT SHVCK
WEFBOOKKE EF 35804	WETBOOBNE EF 35804	WELBOURNE FL 32904
1100 M NEM HYNEN VNE # 1	112 M HICKOBA SL	3026 W NEW HAVEN AVE
BEINTS EFOS	C & S BEINLING	AMERICAN SPEEDY PRINTING
INDIVIVATIC EL 32903	INDIVIVATIC ET 32903	WETBOOKNE LT 35804
105 N PALM AVE	404 21H VAE	100 2 10HN BODES BFAD #
VINEET MEHTA	1 WICHVET WC HENEK DDS	SCOLL, S FILHO
INDIALANTIC FL 32903	RICHARD K TRAUT DDS	INDIVIVANTIC FL 32903
241 6TH AVE	337 6TH AVE	225 STH AVE
CALLAHAN DDS	INDIALANTIC FL 32903	SAMUEL D LONGLEY DDS
SIB4 N HICHMWAX VIV # SOI	WETBOURNE ET 32903 1400 N HICHMWAK WIW # 110 HEWLENE WBLE WARLENE WBLE	WEFBORENE EF 35803 VATEVALIS DIVENOSLIC CENT DEBRA HELTON
BEEVARD MEDICAL CENTERS	WETBOOKKE ET 35803 S134 N HICHMVK VIV # 101 VITVALIS MOWEN,S HEVTLH	WEPBONENE EF 35803 500 WICHIGEN VAE DONGFES E SOBENSEN WD
INDIFFENTIC EL 32903	INDIVIPANTIC EL 32903	INDIETRALIC EF 32903
EVWILY PRACTICE OF BREVA	140 CTH VAE	143 CTH AVE
DOTTIE KOEHLER	EDMVED E BVINES DDS	PIO M SIAN MD
	INDIPTPULIC EF 32903 SS8 8TH AVE ARLAND A ADAMS MD	INDIVIVATIC FL 32903 1001 S SHANNON AVE E SCOTT BELL DDS
INDIVERNALIC EF 35003 500 S SHVNNON VAE FREDEKE CHIBOBBYCLIC CEN AHOWYS B FREDEKE	INDIPPRATIC EF 32903 FOOLS C FOSTMA DDS	INDIPLANTIC FL 32903 L21 6TH AVE GLEN WAGNER MD GLEN WAGNER MD

6200 N ATLANTIC AVE CAPE CANAVERAL FL 32920	102 COLUMBIA DR CAPE CANAVERAL FL 32920	A 1 A FAMILY DENTAL CARE 102 COLUMBIA DR C/ CANAVERAL FL 32920
707 MULLET DR	LINDA MEEKS PORT CANAVERAL MEDICAL C 677 GEORGE KING BLVD # 1 CAPE CANAVERAL FL 32920	7001 N ATLANTIC AVE
CANAVERAL CHIROPRACTIC C 6811 N ATLANTIC AVE CAPE CANAVERAL FL 32920	CHARLES W PINDZIAK DO 6099 N ATLANTIC AVE CAPE CANAVERAL FL 32920	TECH SET GRAPHICS INC 141 S VARR AVE COCOA FL 32922
VILLAGE PRINTING 801 FORREST AVE COCOA FL 32922	BREVARD PRINTING & BUS F 150 S VARR AVE COCOA FL 32922	BREVARD RUBBER STAMP & P 151 S VARR AVE COCOA FL 32922
LEE COMPANY OF FLORIDA I 116 FORREST AVE COCOA FL 32922	A S A P PRINT & PAPER 1633 N US HIGHWAY 1 COCOA FL 32922	GRAPHICS ART PRINTING SE 817 DIXON BLVD COCOA FL 32922
J W GRAPHICS PLUS 15 MAGNOLIA ST COCOA FL 32922	SOUTHERN TAPE & LABEL 1107 PEACHTREE ST COCOA FL 32922	SUN RAY T-SHIRTS 105 BREVARD AVE COCOA FL 32922
BRIGHT IDEAS GRAPHIC STD 315 BREVARD AVE # 6 COCOA FL 32922	CALDERONE AGENCY 105 1/2 HARRISON ST COCOA FL 32922	ADVERTISING RESULTS INC 96 WILLARD ST COCOA FL 32922
BREVARD PHOTO SUPPLY 1147 BYRD PLAZA MALL COCOA FL 32922	AD PLUS 814 DIXON BLVD COCOA FL 32922	ECKERD EXPRESS PHOTO 1068 CLEARLAKE RD COCOA FL 32922
604 BREVARD AVE	WALGREENS DRUG STORES 1155 BYRD PLZ COCOA FL 32922	7 N COCOA BLVD
	R H MANDUS DDS 941 DIXON BLVD COCOA FL 32922	
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BUTCH CICHES ME CHINACIEN

MAIL CENTER

1883 W NEW HAVEN AVE
1880URNE FL 32904

AGE PRODUCTIONS CORP
T' ACTS OF SOUTH BREVAR
71 JOHN ADAMS LN
MELBOURNE FL 32904

MELBOURNE FL 32904 ATLANTIC PHOTO LAB

2870 HARPER RD

MELBOURNE FL 32904

C P I ONE HOUR PHOTO FIN CREATVE IMAGES & CONSULT

MELBOURNE SQUARE MALL

2815 W NEW HAVEN AVE

MELBOURNE FL 32904

MELBOURNE FL 32904 JOHN FUSSELMAN & ASSOCIAJANICE G WAHL DDSJOHN VISO MD1813 W NEW HAVEN AVE1221 S WICKHAM RD3238 W NEW HAVEN AVEMELBOURNE FL 32904MELBOURNE FL 32904MELBOURNE FL 32904 MARILYN MOSS MD

W MELBOURNE FAMILY CTR

3018 W NEW HAVEN AVE

3017 S WICKHAM RD

MELBOURNE FL 32904

MELBOURNE FL 32904

MELBOURNE FL 32904 MELBOURNE FL 32904 ATLANTIC ORTHODONTIC ASS DEBBIE JONES EFFIE K BLUE DDS MELBOURNE SQUARE PROMENA AFFORDABLE DENTALAND DEN BLUE & BLUE MELBOURNE FL 32904 1700 W NEW HAVEN AVE 575 S WICKHAM RD # D MELBOURNE FL 32904 MELBOURNE FL 32904 MELBOURNE FL 32904 CASEY CHIROPRACTIC CENTE CHARLES O GRIFFITH DDS 1938 S DAIRY RD 1121 S WICKHAM RD 964 S WICKHAM RD MELBOURNE FL 32904 MELBOURNE FL 32904 JAMES E GREATHOUSE SARA KEELER LINDA CONNOR
WEST MELBOURNE CHIROPRAC FAMILY MEDICAL CARE PEDIATRICS OF BREVARD
1589 S WICKHAM RD 2501 W NEW HAVEN AVE
MELBOURNE FL 32904 MELBOURNE FL 32904 MELBOURNE FL 32904 PREGNANCY RESOURCES INC PHYSICIANS WEIGHT LOSS C MAGELLAN BOOK CO 110 BRY LYNN DR 2104 W NEW HAVEN AVE 4700 BABCOCK ST NE # 18 MELBOURNE FL 32904 PALM BAY FL 32905 KWIK COPY PRINTINGCREATIVE IMAGESPRESTO QUALITY PRINTING1975 PALM BAY RD NE2003 ROC ROSA DR NE2280 HARRIS AVE NEPALM BAY FL 32905PALM BAY FL 32905PALM BAY FL 32905 TOUCH OF CLASS PRINTING WOLFPACK INC PRINT MASTERS 4711 BABCOCK ST NE # 11 1501 ROBERT J CONLAN BLV 2951 HESSEY AVE NE PALM BAY FL 32905 PALM BAY FL 32905

P I P PRINTING AMERICAN SPEEDY PRINTING MAIL PLUS 5275 BABCOCK ST NE # 16 PALM BAY FL 32905 AMERICAN SPEEDY PRINTING MAIL PLUS 5275 BABCOCK ST NE # 11 PALM BAY FL 32905 PALM BAY FL 32905

BYTW BYA EF 35002

CAPE CANAVERAL FL 32920 110 POLK AVE # 1 COLOR PRINTERS OF BREVAR	WETBONENE ET 32909 6050 BABCOCK & ASSOCS WILLIAM T WATSON III	WEFBOOKHE EF 35303 3082 JOHN E WYESCHNEK DDS
WETBONBNE EF 35000 111 ENLEBBBISE VAE SE DILLWEB CHIBOBBVCLIC OEE TESSE W FVCA	WEFBONENE EF 35808 1158 VGOEV CIE ZE # V ZIGN DEZIGN & ZCEEEN BEI	WETBOOKNE ET 35801 1122 WYFYBYK KD NE # 13 WYKFENE YBFE
WELBOURNE FL 32907 1155 MALABAR RD NE ROBERT LOVE MD	WELBOURNE FL 32907 160 MALABAR RD SW # 110 PERDUE CHIROPRACTIC CENT	WELBOURNE FL 32907 190 MALABAR RD SW # 105 HEALTH CARE ASSOCIATES-B
MELBOURNE FL 32907 5108 MINTON RD NW WEST PALM BAY CHIROPRACT	WETBOURNE EL 32907 1125 WALABAR RD NE # 10 SPACE COAST ORTHOPEDIC	MELBOURNE FL 32907 190 MALGREENS PRUG STORES
WETBONEME EF 35301 160 WALABAR RD SW SPEEDY PAC	WEFBORENE EF 35801 3832 HIEFD ED NM EESLONSE WEDIV	WETBOURNE EF 35807 110 OFIAICK CIB NE C & G INC
WELBOURNE FL 32907 314 CAROL DR NE TENORIO CO	WETBOORNE ET 32907 314 CAROL DR NE A & P TENORIO CO	2700 BYBCOCK 21 NE # 101
PALM BAY PL 32905 1091 PORT MALABAR BLVD N BREVARD EYE CENTER	BYPW BYK EF 35002 4400 DIXIE HMK NE # 501 BYEAYBD CHIPD GNIDYNCE C YAYKNY KOBNKI WD	PALM BAY FL 32905 BHASKER P PATEL MD
DALM BAY FL 32905 4888 BABCOCK ST NE BREVARD MEDICAL CENTERS	DEFW BEK EF 35802 ENGEME E WEWRZYNIAK MD	BETW BEX ET 35802 CHEEFER M BEEGEE DDS
byrw byk er 32902 4690 ribscowb st ne # 5 Diyne b hones dds	BALM BAY FL 32905 FDWARD F BAINES DDS	DALM BAY FL 32905 2186 HARRIS AVE NE # 3 C CRAIG HENRY DDS
byrw byk er 32002 2500 bybcock st ne # 103 CHIPDEEN, 2 WEDICYF CENLE	PALM BAY FL 32905 CHARLES A SARLO JR DDS	DALM BAY FL 32905 CLOW CHIROPRACTIC OFFICE

PALM BAY FL 32905

DALM BAY FL 32905 SA00 BABCOCK ST NE

2186	HARE	RIS	AVE	NE	#	2
PALM	BAY	FL	3290	)5		

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JOHN	HARTLEY	•
SONO	METRIC CENTER IN	C :
5200	BABCOCK ST NE #	106
PALM	BAY FL 32905	

ROCIO M DOYLE MD 1452 BELLAIRE LN NE PALM BAY FL 32905

RAYMOND A ARMSTRONG MD 5200 BABCOCK ST NE PALM BAY FL 32905

RUTH M BRAZIE MD 2155 PALM BAY RD NE # 2 4670 BABCOCK ST NE # 1 2179 JULIAN AVE NE PALM BAY FL 32905 PALM BAY FL 32905 PALM BAY FL 32905

VASCONI CLINIC OF CHIRO WAYNE KEARNEY DDS

PETER W KLEIN DDS MARY DOYLE R K DAS MD
5201 BABCOCK ST NE # 8 PERINATAL CENTER 1071 PORT MALABAR BLVD N
PALM BAY FL 32905 PALM BAY FL 32905

PALM BAY FL 32905

BRAD EMERSON R W MC REE DDS MARK A FIGURA DDS RADIOLOGY ASSOCIATES-BRE 4670 LPSCMB NE UNIT 13 IMPLANT DENISTRY OF FLOR 5200 BABCOCK ST NE # 107 PALM BAY FL 32905 2105 PALM BAY RD NE PAL

5200 BABCOCK ST NE 1571 ROBERT J CONLAN BLV 2179 JULIAN AVE NE PALM BAY FL 32905

HOLMES REGIONAL HEALTHCA MARC D SHAPIRO MD PALM BAY FL 32905 PALM BAY FL 32905

MARK S COICAN DDS

DOTIIE KOEHLER PALM BAY FL 32905 PALM BAY FL 32905

MARK J URBAN DDS

2061 PALM BAY RD NE
PALM BAY FL 32905

DOTILE KOEHLER

FAMILY PRACTICE OF BREVA

5200 BABCOCK ST NE # 105

5205 BABCOCK ST NE
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FAMILY MEDICAL SERVICES FRANK P FILIBERTO M FLORIDA DIAGNOSTIC IMAGI 1091 PORT MALABAR BLVD N HEARING CENTER 5201 BABCOCK ST NE # 5 PALM BAY FL 32905 2020 PALM BAY RD NE PALM BAY FL 32905 PALM BAY FL 32905 2020 PALM BAY RD NE

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SHERYL CORVELLO GARY WEISS MD MELBOURNE EYE ASSOCIATES NEURO DIAGNOSTIC CENTER 1571 ROBERT J CONLAN BLV 5240 BABCOCK ST NE 1051 PORT MALABAR BLVD # PALM BAY FL 32905 PALM BAY FL 32905

NEURO IMAGING INSTITUTE

CHRISTOPHER PRUSINSKI DO JOHN T DAVIDSON MD DINAH BEVERLY NEURO DIAGNOSTIC CENTER PALM BAY ORTHOPAEDICS OSLER MEDICAL PALM BAY FL 32905

1051 PORT MALABAR BLVD N 1571 ROBERT J CONLAN BLV 5200 BABCOCK ST NE # 106 PALM BAY FL 32905 PALM BAY FL 32905

MELBOURNE NEUROLOGIC 1945 PALM BAY RED NE PALM BAY FL 32905

LINDA REMY MELBOURNE INTERNAL MED A 1454 BELLAIRE LN NE 5270 BABCOCK ST NE # 2 PALM BAY FL 32905 PALM BAY FL 32905

MOHAMMAD IDREES MD

V DAG FODURT DDG

BEA I STONESTEER DDS HOWARD I SMITH MD

SPACE COAST PEDIATRICS	.450 FIBSCOMB ST NE # 1 SHASHIN DESAI MD	SHARAD R VYAS MD
PALM BAY FL 32905 5205 BABCOCK ST NE SABIR ALI MD	PALM BAY FL 32905 PEDIATRIC SPECIALISTS DAWN GIDZINSKI	BYPW BYK EF 35802 2500 BYBCOCK ST NE # 106 BEDIYTRIC CYRDIOFOGK CNS WIKE BOFYSKI
DYFW BYA EF 35802 2500 BYBCOCK SI NE # 113 SIEAEN D EGGEN WD	PALM BAY FL 32905 4670 LIPSCOMB ST NE STAN LEE KROMASH DDS	DYTW BYK EF 35802 4690 FIBSCOWB ST NE STEVEN W WRIGHT DO
PALM BAY FL 32905 5205 BABCOCK ST NE # 4 THPWARSFTVTCOF	PALM BAY FL 32905 S270 BABCOCK ST NE AUTHONY J INSERILLO MD	DALM BAY FL 32905 4620 LIPSCOMB ST NE A T M N AMIN DDS
DALM BAY FL 32905 DALM BAY INTERNAL MEDICI JOSETTE COLQUITT	ATLANTIC HEART CENTER 5200 BARCOCK ST NE # 109 PALM BAY FL 32905	DALM BAY FL 32905 5201 BABCOCK ST NE # 4 PALM BAY CHIRO CLINIC
BYTW BYA ET 35802 2501 BYBCOCK ST NE # 3 BYTW BYA DEEMYLOFOGA SOCK DELMIFEE	PALM BAY FL 32905 1051 PORT MALABAR BLVD N PALM BAY FL 32905	PALM BAY FL 32905 PALM BAY FL 32905 PALM BAY FL 32905
PALM BAY FL 32905 1571 ROBERT J CONLAN BLY LINDA FLETCHER	PALM BAY FL 32905 4711 BABCOCK ST NE # 28 GEORGE BARHAMKULAM	DYTW BYA ET 32902 VALLANTIC PSYCHIATRIC CEN ARMAND BRAUN PHD
	DOUALD S GARRETT DDS	SIO2 BYFW BYK KD NE # IM
1042 BYFW BYK KD NE	BYTW BYX ET 35002 DYTW BYX SONGEEN CENTER PALM BAY SURGERY CENTER	BYTW BYX ET 37802 5122 BYTW BYX ED NE # 6 B O DEBOL
2540 BYBCOCK ST NE # 307	BYTW BYK EF 37802 2540 BYBCOCK 2L NE # 307 CHEENZLONE BYBYSCY BOBEB	S220 PALM BAY RD
PALM BAY SHOPPING CTR	DOPW BOX ET 35802 MATGREENS DENG STORES	

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To <u>Bob</u> Snyder Date 12/23/91 Time 2:10 pm	
WHILE YOU WERE OUT	
Mr. Les Chotas & Phil Graves	
of Environmental Might system	4
Phone 407 841-1200 Area Code Number Extension	
X TELEPHONED X PLEASE CALL  CALLED TO SEE YOU WILL CALL AGAIN	
CALLED TO SEE YOU WILL CALL AGAIN WANTS TO SEE YOU URGENT	
RETURNED YOUR CALL	
Message Would like to Set up	
meeting early January about FIV gas, retrigeration	
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Jennifer	
(Perator	

# PHOTOGRAPHIC WASTE DISPOSAL of Florida Inc. Protecting you and the Environment.

High Street Trade Center 1943 High Street Longwood, Florida 32750

PILOT PLAN

Prepared by

HAMED RAFIEE - (4017) 483-6893
AND
BAHRAM AHMADI

Submitted to

SEMINOLE COUNTY FLORIDA

12/19/91

# **GENERAL INFORMATION**

Photographic Waste Disposal, Inc. will provide services to generators of x-ray and photographic waste solutions to insure proper disposal of their waste according to federal, state and county regulations.

The general scope of operations is presented as follows:

- 1- Facility and storage
- 2- Transportation
- 3- Process the incoming waste solutions.

#### **L FACILITY AND STORAGE**

- 1) All chemicals will be stored and processed inside the warehouse within the concrete containment area approved by the Department of the Environmental Regulation.
- 2) All containers will be labeled properly for identification and will be inspected daily for leaks.
- 3) Spill guns will be mounted on the walls for the use of any container leaks.
- 4) Spill-x agents will be used in case of a spill. If a spill occurs, personnel at the facility will first PH the spill to find if the spill is acidic or alkaline. Upon determination of the PH, agent A (for acid spills) or agent C (for caustic spills) will be applied for neutralizing and solidifying before clean up. After application of the proper agent, the solidified material will be swept up and transferred to the designated containers for proper off-site disposal.

## **IL TRANSPORTATION**

The Photographic Waste Disposal, Inc. will supply the generators with corrosive resistance and D.O.T. approved containers to insure proper storage and transportation.

Before shipment all generators will receive a hazardous waste manifest for their records. The manifest will show the type of solution being transported as a Hazardous Waste Liquid NOS D011 (Silver).

All vehicles will be equipped with emergency spill control kit to be used at times of emergency by properly licensed drivers.

#### **III- PROCESS THE INCOMING WASTE SOLUTIONS**

Upon arrival, the waste solutions will be delivered to the unloading area. The solutions are separated in two categories of silver bearing and non-silver bearing.

#### Silver Bearing Solutions

All silver bearing solutions will be transferred to the silver recovery tanks connected to an automated system. This system will transfer the solutions to the primary silver unit and then to the tailing recovery unit. When the silver recovery operation is completed the solution will be tested for any existing silver content. If the results show presence of any silver The process will continue until the amount of silver in the solution is within the guidelines established by the Environmental Protection Agency. The remaining solution is then considered as non-silver bearing and will be processed as such.

### Non-silver bearing solutions

Non-silver bearing solutions contain approximately 85 percent water. These solutions are transferred to holding tanks connected to an evaporator. The evaporator will be used to evaporate the water and convert the solution in to a solid-state (sludge). The remaining sludge will be transferred to 55 gallon lined drums to be shipped for proper off-site disposal.