



**COMPLIANCE  
CENTER**

**CHATHAM COUNTY MOSQUITO  
CONTROL**

**MANDATORY  
SAFETY  
DATA  
SHEETS**

**PESTICIDE SAFETY**

**Mark Vallier**

# **SAFETY OF STAFF AND THE PUBLIC TRAINING**

- **GA. DEPT. OF AGRICULTURE COMMERCIAL PESTICIDE APPLICATORS LICENSE – MULTIPLE CATAGORIES**
- **HAZARDOUS COMMUNICATION – SITE SPECIFIC**
- **CHEMICAL SPILL RESPONSE TRAINING – OSHA LEVEL II**
- **PROPER USE OF PPE**
- **ARC FIRST AID / ADULT CPR**
- **AERIAL ADULTICIDING OBSERVER – MONTHLY LUNCH AND LEARN**
- **FAA REGULATIONS – ON GOING TRAINING**
- **ULV FOG GENERATOR**
- **LIFT TRUCK OPERATION**
- **HAZARDOUS MATERIAL HANDLING AND DISPOSAL**
- **SOME OTHER TRAINING: HAND TOOLS, POWER TOOLS, OVERHEAD HOIST AND CRANES, BLOOD BORNE PATHOGENS, FIRE EXTINGUISHER, DRIVER TRAINING**
- **CERTIFIED INDUSTRIAL HYGIENIST - AIR SAMPLING**
- **SECURITY**



# PESTICIDE SAFETY

RECEIVE THE PRODUCT  
STORAGE  
MIXING  
LOADING  
APPLICATION  
DISPOSAL OF WASTE  
EMERGENCY PREPAREDNESS  
SAFELY AND COMPLIANT



Chatham County  
Mosquito Control

Emergency Action Plan

March 2008

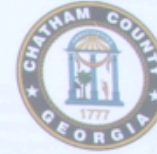
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Chatham County  
Mosquito Control

Chemical Handling &  
Respirator Protection Program

March 2008

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# Chatham County Mosquito Control

## Chemical Handling & Respirator Protection Program

March 2008

### CHATHAM COUNTY MOSQUITO CONTROL CHEMICAL LIST / PPE REQUIREMENTS RESPIRATORY PROTECTION PROGRAM

REVISED 12 / 2007

#### TABLE OF CONTENTS

**SECTION ONE: CHEMICAL LIST AND PERSONNEL  
PROTECTION EQUIPMENT**

**SECTION TWO: RESPIRATORY PROTECTION PROGRAM  
POLICY**

**CHATHAM COUNTY MOSQUITO CONTROL  
CHEMICAL LIST / PPE REQUIREMENTS**

**NATIONAL RESPONSE CENTER (NRC) 1-800-424-8802  
DEPARTMENT OF NATURAL RESOURCES (DNR) 1-800-241-4113**

**It is required by law to read the pesticide label before use. This chart is to be used as a guideline.**

<b>PESTICIDE / SIGNAL WORD</b>	<b>EXPOSURE CONTROL PERSONAL PROTECTION</b>	<b>WORK / HYGENIC PRACTICES</b>	<b>RQ</b>	<b>CAS, EPA, MSDS NUMBER</b>
<b>AQUA-RESLIN "CAUTION"</b>	Safety glasses / impervious gloves	Wash thoroughly with soap and water after use	N/A	EPA # 432-796
<b>SCOURGE "CAUTION"</b>	<b>HANDLING:</b> Avoid contact with skin, eyes, or clothing. Adequate ventilation, splash goggles, chemical resistant gloves, long sleeve shirt and long pants and shoes and shocks.	Harmful if swallowed or absorbed through skin. Wash thoroughly with soap and water after handling.	N/A	EPA # 432-716
<b>TRUMPET "DANGER"</b>	<b>HANDLING:</b> coveralls or long sleeve shirt, and long pants: chemical resistant gloves: chemical resistant foot wear plus socks; protective eyewear; chemical resistant head gear for overhead exposure; chemical resistant apron for cleaning equipment, mixing, or loading; and respirator with an organic-vapor-removing cartridge with a pre filter <b>CLOSED SYSTEMS:</b> long sleeve shirt, long pants, shoes and shocks, chemical resistant apron and chemical resistant gloves. <b>ENCLOSED CABS:</b> long sleeve shirt, long pants, and shoes and shocks, adequate ventilation	<b>DANGER / CORROSIVE: causes irreversible eye and skin damage. Do not get into eyes, on skin or on clothing.</b> <b>IF IN EYES:</b> hold eye lid open and flush with gentle stream of water for 15 minutes. Get medical attention immediately. <b>IF ON SKIN:</b> wash with plenty of soap and water, get medical attention immediately. <b>IF INHALED:</b> move victim to fresh air. If not breathing give artificial respiration and get medical attention immediately. <b>NOTE TO PHYSCIAN:</b> emergency information call 1-323-264-3910	<b>.67 GAL.</b>	<b>EPA # 5481-481 MSDS # 283_6</b>



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## **CHATHAM COUNTY MOSQUITO CONTROL RESPIRATORY PROTECTION PROGRAM**

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### **I. PURPOSE**

Chatham County Mosquito Control has developed this Respiratory Protection Program to help ensure all employees are provided the necessary information, training, and administrative support to reduce the possibility of adverse health effects from airborne hazards. It also outlines the methods by which Chatham County Mosquito Control complies with the requirements of the Respiratory Protection Standard (29 CFR 1910.134). All affected employees and outside contractors are expected to read and understand this program.

Chatham County Mosquito Control intends to use engineering controls as the primary means of reducing employee exposure to airborne contaminants. The use of “mandatory use” respirators is deemed appropriate when engineering controls are not operating or until engineering controls can be improved to adequately control exposure. Chatham County Mosquito Control does allow the use of respirators in certain approved applications where dust exposure is less than the regulatory limit (voluntary use) upon approval by the Safety Department.

## APPENDIX IA

### Required Respirator Use Tasks/Area

#### Chatham County Mosquito Control

**Note: Respirator selection is based on S&ME's Industrial Hygiene Monitoring Report (S&ME report 1138-05-048). Tasks listed below were either included for initial exposure monitoring or a representative task was sampled to be representative for that exposure. If processes change, additional exposure monitoring is recommended.**

TASK	LOCATION	SUSPECTED HAZARD	REQUIRED RESPIRATOR
Mixing Altosand	Altosand Mixing Area	Respirable Crystalline Silica (Exposure levels are greater than PEL and the ACGIH TLV).	<b>CCMC POLICY:</b> Full-face respirator with HEPA P-100 cartridges. Or Powered Air Purifying Respirator (PAPR) (May be used with employees with facial hair)

### EXPOSURE NOTIFICATION FORM

**Employee:** Douglas Nelson (SS# 2941)

**Employer:** Chatham County Mosquito Control

**Process/Location:** Mixing Altosid Larvicide

The results of your exposure evaluation performed by S&ME, Inc. on October 10, 2007 are provided below. The results indicate exposure below the regulatory limit. Your cooperation was greatly appreciated. If you have any questions concerning your results, please contact your supervisor or the Safety Department.

Agent Sampled	Measured Exposure	Type Standard	OSHA Limit
Respirable Crystalline Silica	0.29 mg/m <sup>3</sup>	TWA	0.92 mg/m <sup>3</sup>

Note 1: OSHA = Occupational Safety and Health Administration  
Note 2: mg/m<sup>3</sup> = milligrams per cubic meter  
Note 4: TWA = Time weighted average

**This form can be used for employee exposure record keeping.**

## APPENDIX IB

### Voluntary Respirator Use Tasks/Locations

#### Chatham County Mosquito Control

**Note: Respirator selection is based on S&ME's Industrial Hygiene Monitoring Report (S&ME report 1138-05-048). Tasks listed below were either sampled for initial exposure monitoring or a representative task was sampled to be representative for that exposure. If processes change, additional exposure monitoring is recommended.**

TASK	LOCATION	AGENT	RESPIRATOR
Trumpet Pesticide Loading	Helicopter Hangar	Trumpet Pesticide (Naled and DDVP)	Full-face respirator with OVA/HEPA P-100 cartridges.
Pesticide Loading/ Application	Loading Area	Scourge (Resmethrin, Piperonyl Butoxide, Napthalene)	Full-face respirator with OVA/HEPA P-100 cartridges.
Pesticide Loading/ Application	Loading Area	Fyfanon (Malathion)	Full-face respirator with OVA/HEPA P-100 cartridges.



COMPLIANCE





# Chatham County Mosquito Control

## Emergency Action Plan

March 2008

### CHATHAM COUNTY MOSQUITO CONTROL

#### EMERGENCY ACTION PLANS

REVISED 12/ /2007

#### TABLE OF CONTENTS

**SECTION ONE:** FIRE / INJURY / EVACUATION PLAN

PULL STATION, FIRE EXTINGUISHER, ELECTRICAL  
ROOM LOCATIONS

**SECTION TWO:** CHEMICAL SPILL RESPONSE PLAN

SPILL RESPONSE SUPPLIES AND PPE LOCATIONS  
CCMC CHEMICAL LIST AND PPE REQUIREMENTS

**SECTION THREE:** POINTS OF CONTACT

**SECTION FOUR:** HURRICANE RESPONSE PLAN

**SECTION FIVE:** CRITICAL WORK FORCE PLAN

**CHATHAM COUNTY MOSQUITO CONTROL**  
**65 Billy B. Hair Drive**  
**Savannah, Ga. 31408**  
**912-790-2540**

**CHEMICAL SPILL RESPONSE PLAN**

**IN THE EVENT OF AN EMERGENCY RELEASE CONTACT IMMEDIATELY**

Dr. H. B. LEWANDOWSKI, Director: (912) 897-6818 HM  
429-1680 C  
658-3974 C

JEFFERY HEUSEL, Assistant Director: (912) 352-3300 HM  
429-1681 C  
312-2810 C

WALLACE LLOYD, Vehicle Shop Supervisor: (912) 236-7965 HM  
658-0076 C  
660-1481 C

MARK VALLIER, Maintenance Supervisor: (912) 897-7555 HM  
658-9892 C

SCOTT YACKEL, Chief Pilot: (912) 756-2587 HM  
658-3233 C

**BE PREPARED TO PROVIDE THE FOLLOWING INFORMATION:**

**INJURIES**

**CHEMICAL NAME AND/OR CAS # LOCATED ON THE LABEL, MSDS, CCMC CHEM LIST**

**LOCATION OF RELEASE**

**STATUS OF THE RELEASE**

**IN THE EVENT OF A REPORTABLE SPILL (RQ)**

**CONTACT WITHIN 15 MINUTES:**

**NATIONAL RESPONSE CENTER (NRC): 1-800-424-8802**

**GEORGIA DEPARTMENT OF NATURAL RESOURCES (DNR) 1-800-241-4113**

**IN THE EVENT OUTSIDE ASSISTANCE IS NEEDED**

**FOR AN ON SITE SPILL CONTACT:**

**MORAN ENVIRONMENTAL RECOVERY SERVICES: (912) 232-3224**

**AND**

**AIRPORT FIRE DEPARTMENT: (912) 966-8225**

**FOR AN OFF SITE SPILL CONTACT:**

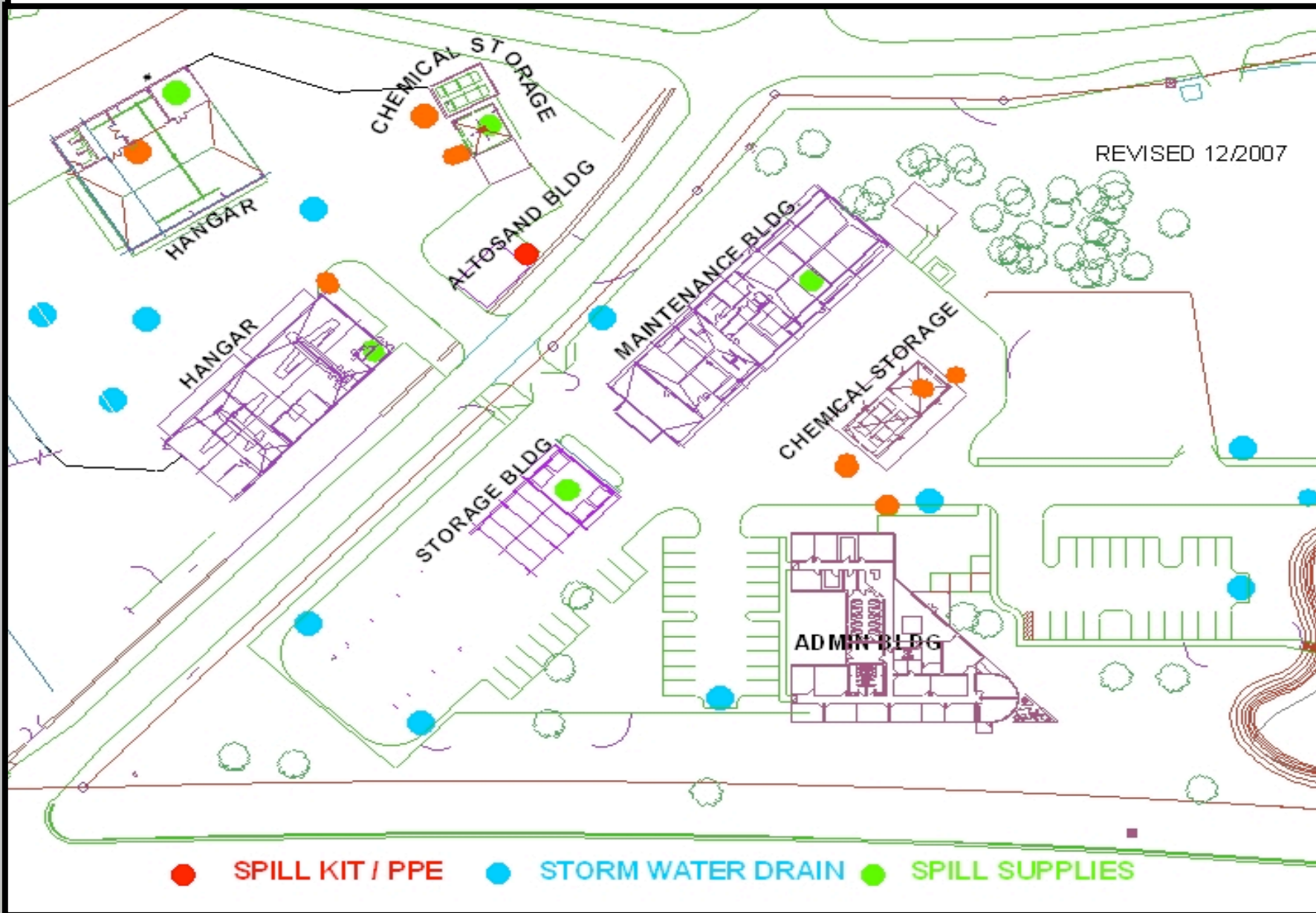
**MORAN ENVIRONMENTAL RECOVERY SERVICES: (912) 232-3224**

**AND**

**EMERGENCY 911**



# \*SPILL KIT/PPE / SPILL SUPPLIES\*



**CHATHAM COUNTY MOSQUITO CONTROL  
CHEMICAL LIST / PPE REQUIREMENTS**

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# **\* FACILITY SECURITY \***









# \* PESTICIDE STORAGE \*









# \*SPILL KITS AT VARIOUS LOCATIONS\*





# \* HANDLING / APPLICATION \*

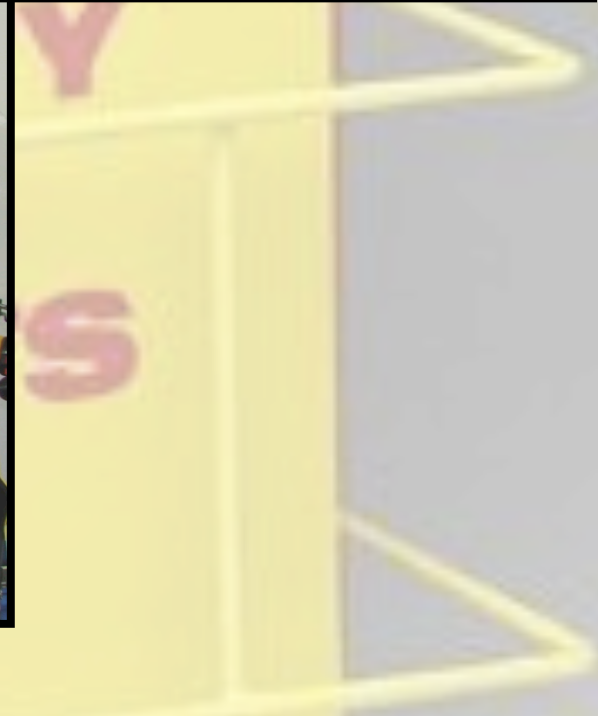








COMPLIANCE  
CENT



# \* LOADING AND MIXING \*



## \* SPRAY TRUCK \*

- PUMP IN USE LITE
- COVERED DISPENSER
- EYE WASH STATION
- PPE







## \* ALTOSAND MIXING \*

- PLACARD
- EXHAUST FANS
- RINSATE RECOVERY AND RE-USE





# **\*CLOSED PUMPING SYSTEM\***









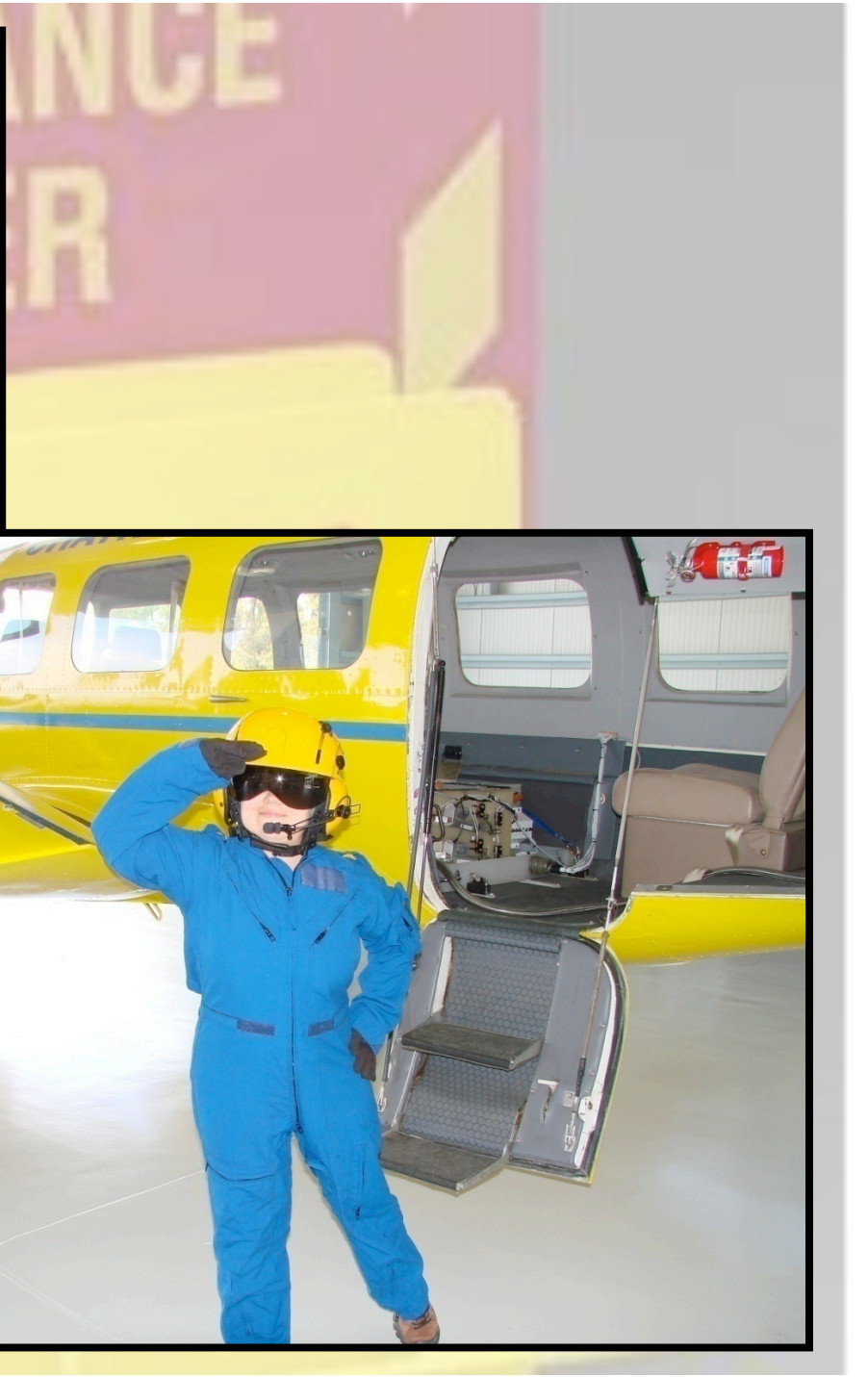
# COMPLIANCE





COMPLIANCE







MISSION COMPLETE?



**\*DARTH – RESPIRATOR\***







**TRAINING PROMOTES  
KNOWLEDGE  
KNOWLEDGE PROMOTES  
SAFETY**

**\*QUESTIONS\***