

---

# The Emergency Planning and Community Right-to-Know Grant Fund

---

## Authorization

Ohio Revised Code, Section 3750.14, Emergency Planning and Community Right-to-Know fund, authorizes grants to be made to Local Emergency Planning Committees (LEPCs), Fire Departments, and the State Emergency Response Commission (SERC/Commission) for these purposes:

1. The development and implementation of chemical emergency response and preparedness plans; and
2. The implementation and administration of the Emergency Planning and Community Right-to-Know Act (EPCRA) and rules adopted by the SERC.

## Grant Funding Intent

Grant awards may be used by LEPCs and their associated fire departments to develop, prepare, revise, exercise, review, implement, and administer their chemical emergency response and preparedness plan(s).

Grants may be used to pay the costs incurred by Commission State Agency members for implementing and administering EPCRA.

Grants may not be used by LEPCs, Fire Departments, or the SERC to:

1. Acquire first response equipment, except as otherwise provided in Division (D)(4) of section 3750.14; **please make reference to the SERC procedure “The Purchase of Emergency Response Equipment with LEPC Grant Monies Awarded from the EPCRA Fund” (attachment A).**
2. Defray costs for copying and mailing hazardous chemical lists, material safety data sheets, or emergency and hazardous chemical inventory forms

submitted under this chapter for distribution to the public;

3. Reimburse any person for expenditures incurred for emergency response and cleanup of a release of a hazardous substance, an extremely hazardous substance, and/or oil.
4. Perform any assessment of damages to natural resources resulting from a release of oil, a hazardous substance or an extremely hazardous substance.

## Assurances

In executing this agreement, the grant recipient will be committing to comply with the regulations, policies, guidelines, and requirements as they relate to the application acceptance and use of emergency planning grant funds. Also the grant recipient commits with respect to the grant that:

1. The applicant possesses legal authority to apply for the grant; that a resolution, motion or similar action has been duly adopted or passed as an official act of the applicant's governing body, authorizing the person identified as the official representative of the applicant to act in connection with the application and to provide such additional information as may be required.
2. The applicant agrees that (a) funds granted as a result of this request are to be expended for the purposes set forth in this application and in accordance with all applicable laws, regulations, policies and procedures of the State of Ohio; and (b) funds awarded by the State Emergency Response Commission may be terminated at any time for violation of any terms and requirements of this agreement.

3. The applicant will give SERC through any authorized representative access to and the right to examine all records, books, papers or documents related to the grant. This provision shall also apply in the event of termination of this agreement.
4. The applicant will maintain such records as required by state and federal law. The minimum acceptable financial records consist of: a) documentation of employee time; b) documentation of all materials, supplies and travel expenses; c) inventory records and supporting documentation for allowable equipment purchased to carry out the program scope; d) rational supporting allocation of space charges (e.g., rent); e) any other records which support charges to program funds. The Applicant must maintain sufficient segregation of program accounting records from other programs and/or projects.
5. The applicant will at all times comply with and observe all federal and state laws, local laws, ordinances, and regulations which are in effect during the period of this grant and which in any manner affect the work or its conduct. In accordance with ORC 3750.02(F), the local emergency planning committee of an emergency planning district lying wholly within the boundaries of a county shall be considered a county board and shall receive the services of the auditor and prosecuting attorney of the county in the same manner as other county boards. As a county board, the LEPC must follow all policies established by the county auditor. The LEPC must also follow the LEPC funding policy, adopted by the SERC on December 12, 2007.
6. The SERC grant will be deposited into a special emergency planning fund in the treasury of the county in accordance with ORC 3750.02 (F) which states: "Moneys received by the committee of a district lying wholly within the boundaries of a county shall be credited to a special emergency planning fund in the treasury of the county. The fund shall be administered by the committee of the district, and moneys credited to the fund shall be expended only for the purposes of carrying out the powers and duties of the committee under this chapter and rules adopted and orders issued under it."
7. The applicant will conform to applicable county policies regarding the use of cellular phones, and applicable restrictions regarding the acquisition and disposal of assets (items valued at more than \$300 or amount specified by county policy).
8. Contracts for personal services shall be in conformance with state and local laws and regulations.
9. The applicant will comply with State Equal Employment Opportunity and hiring practices
10. The applicant will comply with public records laws and open meeting laws, including but not limited to the public records requirements in the Emergency Planning and Community Right-to-Know Act and ORC 3750.

## Grant Distribution

Grants from the Fund are made annually based on the State Fiscal year (July 1 through June 30). Of this fund, 65 percent to 75 percent is allotted to Local Emergency Planning Committees (LEPCs), 5 percent to 15 percent is allotted to Fire Departments, and 15 percent to 25 percent is allotted to Agencies of the Commission.

## Allowable activities/costs and limitations

The allowable activities for expenditures of the Emergency Planning Fund and county special fund monies are set forth in ORC 3750.

In accordance with ORC 3750.03(E)(4), an LEPC may enter into an agreement with the board of health of the city or general health district, a political subdivision that is located wholly or partly within the district, a

countywide emergency management agency or a political subdivision that has established a program for emergency management, whereby the contracted authority (the board of health, political subdivision, agency or authority) will exercise any service on behalf of the committee that the committee may exercise, perform or render under ORC 3750. The agreement must specify the powers, functions, and services of the committee that the contracted authority is authorized to exercise, perform or render and shall establish either in specific terms or by prescribing a method of determining them the amounts of any payments to be made by the committee to the contracted authority for the performance of the agreement.

Funding limitations limit the amount of activities that can be carried out in any one grant year. During the first several grant years, the EPCRA fund will have a percentage of the \$5 million full endowment. The three categories of grant recipients will receive a percentage of the allotment they would receive under the condition of full fund endowment. If more than \$5 million were paid into the regular fund, the additional funds would be paid into the Reserve Fund. The grants could be made to LEPCs, Fire Departments, and SERC agencies from the Reserve Fund.

During the first several grant years, the Reserve Fund is not projected to be endowed. Grants from the Reserve Fund are not anticipated to be awarded during these State Fiscal Years (SFYs).

Grants to classes of grant recipients will be allocated by May 1 of each year. Individual awards to grantees will be announced by July 15 of each year and the funds will be released to each grantee no later than August 15 of each grant fiscal year, barring no unforeseen disruptions.

### Eligibility Criteria

Applicant(s) are limited to:

1. A LEPC appointed by SERC from a planning district designated by the SERC; or

2. A Fire Department applying for training funds through their respective LEPC; or
3. A State Agency administering activities called for by Chapter 3750 of the Ohio Revised Code.

Applicant(s) must apply according to the procedures delineated in this handbook and the application must fulfill the purposes set forth in the above paragraphs about Authorization and Grants. The applicant must use the grant for tasks delineated in the application that are in addition to normal workloads and cannot use the grant to offset or pay for work tasks other than those shown in the Application.

### General Application Procedures

The grant application consists of general information requests, summary report(s), authorization resolution(s), certification sign-off, planning activities, and the fire department grant application(s). Applicants are requested to fill out all information requested on the form.

### Submittal Information

**Completed grant application package must be sent to:**

**SERC**  
Ohio EPA - Right-to-Know Program  
50 West Town St. (Suite 700)  
P.O. Box 1049  
Columbus, OH 43216-1049  
Attn: Grant Program (Applications)

Applications from LEPCs, which shall include the Fire Department application form, must be postmarked no later than February 1, 2011. Applications from Commission state agencies must be postmarked no later than April 1, 2011.

**The SERC recommends sending grant application package via certified mail to ensure receipt.**

**Applications postmarked after these dates shall be reduced by one percent per day of their calculated award. Applications postmarked more than thirty calendar days after February 1 will not be considered for funding for the upcoming state fiscal grant funding year.**

## Evaluation Criteria

Each applicant must demonstrate that the use of the grant, as shown in the activities description (section (IV) of the application), will enhance the ability of the recipient to prepare for and respond to releases of hazardous substances, the extremely hazardous substances, and/or oil.

In the case of LEPC applicants, SERC shall consider the needs of the LEPC in terms of the minimum amount of funds necessary for the local committee to prepare or revise, exercise and review its chemical emergency plan; the minimum requirements for personnel and essential office equipment; the number of "covered facilities" in the planning district under the jurisdiction of the fire department(s); the amounts of hazardous materials transported through the district; and the population in close proximity to "covered facilities" or hazardous chemical transportation routes.

**SERC Resolution 96-88 "Approval of the County LEPC Compliance Report Form" requires that the LEPCs use the adopted form for "compliance" funding considerations.**

In the case of fire departments applying through their LEPCs for training grants, the SERC shall consider the needs of the district for hazardous material training in terms of the number of "covered facilities" in the district; the amounts of hazardous materials transported through the district; the population in close proximity to "covered facilities"; and hazardous chemical transportation routes under the jurisdiction of the fire departments. Training must be appropriate to the chemical risks in the Local Emergency Planning District (LEPD).

State agencies on the Commission applying for grants to implement and administer Chapter 3750 (ORC) shall demonstrate that their efforts will enhance the State's ability to prepare for and respond to releases of hazardous substances.

## Eligibility Review

Following the application deadline, Ohio EPA will present to the SERC the information necessary to act upon and certify the eligibility of grant applicants. All applicants meeting the Eligibility Criteria previously cited will be certified as eligible applicants by the SERC. After your application is received and reviewed, you may be contacted by Ohio EPA for clarification of your application and/or for changes to the activities, budget or schedule.

Applicants not certified as eligible will be notified by the SERC as to why their grant application will not be considered for funding.

The decision of whether to fund or not to fund an eligible application will be made by the SERC. Under Section 3750.14, funding decisions by the SERC are not appealable.

## Required Documentation

Grant awards are provided in the form of one single payment. Grant awards will be sent no later than August 15 of each fiscal year, barring no unforeseen disruptions.

Please note that, beginning with the 2009 grant period, the SERC is requiring the following:

1. The County Auditor's Signature: The auditor's signature will be required on the LEPC Financial Status Report.
2. Auditor's Ledger: An LEPC receiving a SERC grant must submit the county auditor's ledger, which is the revenue and expenditure report for the fund. The SERC may request additional information regarding expenditures identified in the ledger.

3. Vehicle Usage Log: Beginning with the 2009 grant period, the LEPC must maintain and submit a vehicle usage log with the LEPC financial status report for any vehicle that was purchased using SERC grant funds.
4. Training Report: For training expenses paid using grant monies, the LEPC must provide a list of the classes attended. The training report should identify training sponsored by the LEPC and individual training classes paid for using SERC grant funds.
5. Asset Inventory: The Asset Inventory must identify all items purchased by the LEPC that cost more than \$300. The list must include all existing assets, and the disposal method of any asset disposed of during the grant period. See (Purchasing and Documentation of Assets on page 6 for additional information.)
6. Narrative Explanation of Carry-Over: If balance of carry-over monies exceeds two times the annual grant award, the LEPC must attach to the grant application, an explanation of: (1) why the cash balance has accumulated to that level; and (2) a description of how the LEPC plans to use the carry-over monies.
7. Contracted Services Agreement: If the LEPC has entered into an agreement with the board of health of the city or general health district, a political subdivision that is located wholly or partly within the district, a countywide emergency management agency or a political subdivision that has established a program for emergency management to perform any requirements of ORC 3750 for the LEPC.

Ohio EPA will review and compare reported expenditures against the budget. Expenditures will then be approved or disapproved accordingly. Once processed, the SERC may forward an evaluation of the Financial Status Report to the grantee detailing the Office's review of expenditures and providing a summary of the approved activity(s) to date on the special Emergency Planning fund and grant account.

At the conclusion of each SFY, grantees are **required** to submit to the SERC an annual LEPC Financial Status Report (see Appendix C) along with: (1) a recommended brief narrative of program accomplishments; (2) the Auditor's Ledger; (3) vehicle usage log for vehicles purchased with grant monies; (4) a training report; (5) an inventory of assets (items that cost more than \$300); (6) narrative explanation of carry-over (see Carry-Over Money); and (7) if applicable, a copy of the contract service agreement with an authority contracted by the LEPCs to perform the requirements of ORC 3750. These reports must be submitted 30 days after the end of each SFY (i.e. no later than July 30th).

Send to:

SERC  
Ohio EPA-Right-to-Know Program  
50 West Town St. (Suite 700)  
P.O. Box 1049  
Columbus, Ohio 43216-1049  
Attn: Grant Program (Fiscal Status)

## DEPOSIT OF FUNDS RECEIVED

**ORC 3750.03(F) requires the LEPC to establish a Special Emergency Planning Fund for monies received by the LEPC through the SERC. The fund will be established in the county treasury. The fund shall be administered by the LEPC of the planning district, and moneys credited to the fund shall be expended only for the purposes of carrying out the powers and duties of the committee under this chapter and rules adopted and orders issued under it.**

In accordance with ORC 3750.03 (F), Monies received by an LEPC from any source must be deposited in the county's LEPC account and cannot be co-mingled with county funds. While the SERC recognizes that the LEPCs may receive other public and private sources of monies for the purpose of ORC 3750, the SERC

limits the scope of the grant review to the SERC grant funds.

## **Purchasing and Documentation of Assets**

The SERC has defined assets as any item that costs more than \$300. Examples of assets include furnishings, computer equipment and cellular phones. Beginning with the 2009 grant period, the SERC requires all LEPCs to maintain an asset inventory for assets purchased with grant monies. All existing assets, including those previously purchased, must be listed on your inventory to comply with accountability requirements. Please be sure to list a serial number for each piece of equipment. (Please note that software does not have to be included on the inventory list of assets.) The LEPCs should update the list of assets annually. Assets must be disposed of in accordance with county policies. The disposal of any asset must be identified in the asset inventory. Lost or stolen assets should be reported to the SERC along with a copy of the Police Report.

## **Carry-Over Money**

The SERC recognizes that SERC grant funds may not be expended in full, in the same year that they are awarded. All carry-over money must be documented and recorded on the next year's grant application. If balance of carry-over monies exceeds two times the annual grant award, the LEPC must attach to the grant application, an explanation of: (1) why the cash balance has accumulated to that level; and (2) a description of how the LEPC plans to use the carry-over monies.

## **Site Visits**

The SERC or representatives of the SERC periodically may conduct site visits with grant recipients. These visits will be conducted to provide assistance, review progress, discuss any problems encountered in project implementation, receive any recommendations or requests for program/ budget revisions, and review financial records. Site visits present important opportunities for direct, on-site

communication between the SERC and grant recipients.

## **Audits**

Grant recipients are subject to audit by the SERC and/or the Auditor of the State of Ohio to assure that grant funds and other credits to the special fund have been properly accounted for and the activities have been carried out in accordance with the grant agreement, Chapter 3750 of the Ohio Revised Code, and the SERC grant management policies and guidelines. All cost documents shall be retained by the grant recipients for auditing purposes. Documents can be disposed of after audit by the SERC and/or Auditor of the State of Ohio.

Any emergency response equipment purchase(s) shall be subject to audit ~~in~~ determine if the purchase was conducted in accordance with the language outlined in the SERC procedure "The Purchase of Emergency Response Equipment with LEPC Grant Monies Awarded from the EPCRA Fund". The procedure does include a certification statement and sign-off that training standards and levels have been achieved pursuant to the LEPC hazmat plan.

---

# How to Apply for Grants

---

## Procedure for Fire Departments to Apply for Grants for First Responder(s) Training

Fire departments need to:

1. Coordinate their requests with the LEPC and file their requests through their LEPC;
2. Select the basic hazardous materials incident training courses needed for primary first responders training; and
3. Consult with the State Fire Marshal's office to obtain course information.

### Examples of initial or basic types of training courses are:

Accountability (4hrs. \$140/course)  
Basic Life Support & HazMat. (12hrs \$420/course)  
Chlorine Emergencies (6hrs \$210/course)  
Class "A" Foam: Application (8hrs \$280/course)  
Haz. Mat. & WMD Awareness (6 hrs \$210/course)  
Haz. Mat. Operations (12hrs \$420/course)  
Haz. Mat. Technician (36hrs \$1,260/course)  
Hospital Decon (6hrs \$210/course)  
ICS/NFA (12hrs \$420/course)  
ICS for EMS (12hrs \$420/course)  
ICS Basic I-200 (12hrs \$420/course)  
ICS Intermediate I-300 (24hrs \$840/course)  
Incident Safety Officer (14hrs \$490/course)  
Managing Company Tactical Ops: Preparation (12hrs \$420/course)  
Managing Company Tactical Ops: Decision Making (12hrs \$420/course)  
Managing Company Tactical Ops: Tactical (12hrs \$420/course)

Interested parties may refer to the Ohio Fire Academy's website [www.ohiofireacademy.com](http://www.ohiofireacademy.com) for course description and for information on the Academy's Direct Delivery Program and

procedure. Should you have additional questions please contact the Academy at 888-726-7731.

## Training Grant Applications for Fire Departments within Each Planning District will be Coordinated and Applied for by the Local Committee

Training will be reviewed and coordinated by the SERC Training Committee as appropriate.

Applications should be submitted by February 1.

If your Fire Department is filing a grant application and also collects fees pursuant to an existing Right-to-Know municipal ordinance, the money collected under the ordinance will be subtracted from the grant money available under this program. The remainder will be the grant dollars issued. If the ordinance money outweighs funds available in this program, the Fire Department is not eligible for grant funding under this program.

**A county fire chief's or fire department's association can apply for all represented fire departments under the association through one grant application.**

**If fire chief's or fire department's association request training funds for the purchase of emergency response equipment; the request shall be followed in accordance with the SERC procedure "The Purchase of Emergency Response Equipment with LEPC Grant Monies Awarded from EPCRA Fund".**

**If training has been completed in compliance with OSHA 29 CFR 1910.120 (g) and equipment will be purchased, a certification must be signed and sent to**

**the SERC pursuant to the equipment purchase procedure.**

## **Procedure for State Agencies to Apply for Grants**

SERC state agencies will be funded to implement and administer EPCRA. State agencies that have functions to perform as part of their role on a commission committee can apply for funding to fulfill those SERC committee assignments.

SERC state agencies that are part of the Commission Planning Committee can apply for funds for LEPC plan review functions and State plan development. Agencies that are part of the Commission Training Committee can apply for funds to implement Fire Department training. Member agencies that have legal and enforcement functions on the SERC can apply for funding for those functions.

Grant applications must be submitted no later than April 1 of each year

---

## **Chemical Emergency Planning and Community Right-to-Know Fund Grant Application**

---

The total grant packet shall consist of information requested in questions I through VI and a signed resolution "certifying" the LEPC grant application. Fire departments must coordinate and file their grant application form(s) through their LEPC.

### **Completed grant application packet must be submitted to:**

<p><b>SERC</b> Ohio EPA- Right-to-Know Program 50 West Town St. (Suite 700) P.O. Box 1049 Columbus, Ohio 43216-1049 Attn: Grant Program (Applications)</p>
--

### **Deadline Dates**

LEPC's and Fire Departments: **February 1, 2011**

State Agencies: **April 1, 2011**

<p><b>LEPC Annual Fiscal Status Report</b> <b>DUE <u>NO LATER THAN 30</u> DAYS AFTER THE END OF THE SFY</b></p>
---

<p><b>Example: SFY 2011 (July 1, 2010 - June 30, 2011)</b> <b>Fiscal Report must be submitted no later than July 30, 2011</b></p>
---

## LEPC Grant Application

1. (a) County (b) Tax I.D. No. (c) Applicant Name (d) Date
- a. Provide the Name(s) of the county(ies) that describe the location of your Local Emergency Planning Committee (LEPC).
  - b. Write the Tax Identification Number used by the County Treasurer.
  - c. Supply the Name of your LEPC.
  - d. Date the application when completed and mail. Be sure this date is before the deadline.

2. **Grant Amount Requested** **\$0.00** **\$0.00**
- LEPC Use Fire Training Use

- a. Enter the total amount of grant funding requested by LEPC and Fire Departments within LEPC

3. Grant Recipient

- a. Make **CHECK PAYABLE** to: County LEPC

Authorized individual **or** agency to which grant allotment is to be **made payable**.

- b. Send check or electronic transfer voucher to:  
Authorized individual **or** agency to which grant allotment is to be **mailed**:

- |  |  |
|--|--|
| <p>4. a. Authorized Applicant Name</p> <p>Title</p> <p>Address</p> <p>City &amp; Zip</p> <p>Phone Ofc ( )- -</p> <p>Phone Alt ( )- -</p> | <p>b. Designated Contact Person Name</p> <p>Title</p> <p>Address</p> <p>City &amp; Zip</p> <p>Phone Ofc ( )- -</p> <p>Phone Alt ( )- -</p> |
|--|--|

- a. The Authorized Applicant is the LEPC member authorized to apply for and manage the grant and the grant account. (In most cases this will be the LEPC Chairperson.)
- b. The designated contact person can be the Authorized Applicant or another designated member of the LEPC such as the Information Coordinator or LEPC Secretary.

## Local Emergency Planning Committee (LEPC) Application

In determining a grant award to a particular LEPC, the State Emergency Response Commission (SERC) shall consider:

- (I) LEPC has prepared and submitted to the SERC a chemical emergency response and preparedness plan under Ohio Revised Code 3750.04(A)  Yes  No

Indicate date of last plan submission for review and/or update submission. January 0 2000

- (II) Date when your LEPC conducted its annual exercise or actual incident response which was credited as an exercise January 0 2000

Estimated cost of exercise and its critique

\$0.00

- (III) On LEPC or authorized letterhead, please provide a brief summary report on the following issues:

(A) LEPC organizational structure including ;

(B) LEPC program accomplishments during the past state fiscal year or a copy of LEPC annual report;

(C) Projected LEPC program activities for the upcoming state fiscal year;

(D) LEPC meeting dates during 2010, Scheduled 2011 meeting dates.

- (IV) Identified LEPC training need(s) within the district and/or training activities LEPC will sponsor and/or support:

- (V) Estimated cost of training identified in (IV): \$0.00

- (IV) Is your LEPC planning to carry-over any unused SERC grant funds?  Yes  No

If so, indicate amount

\$0.00

**LEPC Budget Request**

County LEPC

<b>Budget Categories</b>	<b>Grant Request</b>
Personnel/Fringe	\$0.00
Contracted Services	\$0.00
Supplies	\$0.00
Training	\$0.00
Travel	\$0.00
Exercise	\$0.00
<b>Total LEPC Planning Budget Grant Request</b>	\$0.00

**Contracted Services:** Includes personal and/or public service contracts

**Supplies:** includes office supplies, telephone/communications, printing, postage, etc

**Travel:** includes mileage and lodging

---

Fire Department Grant:	Training	\$0.00
	Response Equipment	\$0.00
<b>Total LEPC Planning Budget Grant Request</b>		\$0.00

**STATE EMERGENCY RESPONSE COMMISSION  
SERC GRANT FINANCIAL STATUS REPORT  
\_\_\_\_\_ COUNTY LEPC REPORT  
SFY 2011 REPORTING PERIOD (JULY 1, 2010 through June 30, 2011)**

**BEGINNING CARRY-OVER & SERC GRANT INCOME**

	LEPC Account		Fire Account	Total		
LEPC SFY 2010 Carry-Over*	<u>\$0.00</u>	(A)	<u>\$0.00</u>	(D)	<u>\$0.00</u>	(G)
SERC SFY 2011 Grant Award	<u>\$0.00</u>	(B)	<u>\$0.00</u>	(E)	<u>\$0.00</u>	(H)
Total SFY 2011 Account	<u>\$0.00</u>	(C)	<u>\$0.00</u>	(F)	<u>\$0.00</u>	(I)

\* If balance of carry-over monies is exceeds two times the annual grant award, an explanation of the carry-over monies (See page 6 of the grant handbook for required content of explanation.)

**LEPC GRANT EXPENDITURES BY CATEGORY**

Personnel/Fringe	<u>\$0.00</u>	(J)
Contract Services	<u>\$0.00</u>	(K)
Supplies	<u>\$0.00</u>	(L)
Training	<u>\$0.00</u>	(M)
Travel	<u>\$0.00</u>	(N)
First Responder Equipment	<u>\$0.00</u>	(O)
Other assets (item with a value of \$300 or more)*	<u>\$0.00</u>	(P)
Total Expenditures	<u>\$0.00</u>	(Q)

**FIRE DEPARTMENT GRANT EXPENDITURES**

Training \$0.00 (R)

**RESULTING SFY 2011 CARRY-OVER**

LEPC Account SFY 2011 Carry-over \$0.00 (S) = [(C)-(Q)]

Fire Department Account SFY 2011 Carry-Over \$0.00 (T) = [(F)-(R)]

I hereby certify that the above-cited expenditures were made to support the implementation of the duties assigned to the \_\_\_\_\_ County LEPC under Chapter 3750 of the Ohio Revised Code.

LEPC Authorized Signature

Date

Typed/Printed Name

Telephone Number

County Auditor Signature

Date

Typed/Printed Name

Telephone Number

**SERC GRANT FINANCIAL STATUS REPORT due to SERC by July 30, 2010**

**Required attachments:**

- 1. Asset Inventory;**
- 2. Vehicle Mileage Logs for vehicle purchased with grant monies;**
- 3. List of training classes paid for with grant funds;**
- 4. Auditors Ledger for LEPC fund for the grant period; and**
- 5. Carry-Over Narrative detailing:** (a) why the cash balance has accumulated to that level; and  
(b) Description of how the LEPC plans to use the carry-over monies; and
- 6. Brief narrative of program accomplishments.**
- 7. Copy of contract agreement with contracted authority to implement ORC 3750 on behalf of LEPC.**

Fire Department Training Application

A designated countywide fire association or individual fire departments can apply under this program. All fire department applications shall be applied for and received through the Local Emergency Planning Committee (LEPC) for the planning district in which the association or department is located. Grant application submittals must be coordinated with the LEPC. Completed grant applications shall be attached to the LEPC grant application package. Deadline date is February 1, 2011.

County	Township(s) or Municipality	Fire District or Department Name	Fire Association Name (if applicable)
--------	-----------------------------	----------------------------------	---------------------------------------

Hazardous material training course(s) and location request:

Course/Conference/Workshop/Training	Location	Number of Personnel	Estimated Cost
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Grant amount requested

Place "x" in box if grant amount requested includes the purchase of emergency response equipment. If so, please attach a brief written narrative and purpose of the equipment purchase request.

Number of personnel in department: full-time \_\_\_\_\_  
 Part-time \_\_\_\_\_  
 Volunteer \_\_\_\_\_

Name of fire department: \_\_\_\_\_  
 Street address: \_\_\_\_\_  
 City: \_\_\_\_\_ Ohio Zip: \_\_\_\_\_  
 Chief: \_\_\_\_\_ Assistant Chief: \_\_\_\_\_  
 Phone: \_\_\_\_\_

Name of countywide fire association: \_\_\_\_\_  
 Street address: \_\_\_\_\_  
 City: \_\_\_\_\_ Ohio Zip: \_\_\_\_\_  
 Association President: \_\_\_\_\_  
 Phone : (\_\_\_\_\_) \_\_\_\_\_

List or provide an attachment listing fire departments or districts represented by the association:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



Attachment A

# **The Purchase of Emergency Response Equipment with Local Emergency Planning Committee (Committee) Grant Monies Award From the Emergency Planning and Community Right to Know Fund. 98-EF-1**

## **Purpose**

The purpose of this document is to establish grant guidelines and procedures to address requests for State Emergency Response Commission's (SERC's) interpretation on whether Emergency Planning and Community Right to-Know Funds granted to Local Emergency Planning Committee (LEPC or committee) may be used for the purchase of first response equipment after training needs have been met, as set forth under Section 3750.14(D)(4) of the Ohio Revised Code and Ohio Administration Rule 3745-50-10(F)(2). This document sets forth guidance LEPCs should follow in determining whether to authorize purchases of first response equipment. This document recommends that requesting fire departments provide adequate documentation of training needed to support such decisions when SERC grant funds are to be used.

## **Background**

Public sector employees who respond to hazardous materials emergencies must be properly trained to perform their jobs safely and efficiently. Their employers have responsibility for ensuring the health and safety of the responding personnel as well as the protection of the public and the communities served. Relevant regulatory provisions and SERC resolutions include:

Paragraph (F)(2) of Ohio Administrative Code Rule 3750-50-10 provides: "after the committee determines that the initial training needs for emergency response personnel within its emergency planning district set forth in the committee's plan or most recent review of its plan under Section 3750.04 of the Ohio Revised Code...may grant the purchase of first response equipment.

On March 6, 1990, USEPA adopted 40 CFR 311 which adopted OSHA 29 CFR 1920.120 for emergency responders and hazardous waste site workers. This regulation sets forth a training standard for public emergency response organizations.

On December 13, 1990, the SERC adopted resolution 90-56 encouraging the use of NFPA #472, Professional Competencies of Responders to Hazardous Material Incidents, as a minimum training standard for public emergency response organization. (Attachment 1)

Section 3750.14(C) of the Ohio Revised Code directs the SERC to consider the minimum amount of funding necessary for a committee to prepare or review, exercise, and revise its chemical emergency response and preparedness plan in terms of its minimum requirements for personnel and essential office equipment:

Emergency Response and fire fighting vehicles may not be purchased. For the purposes of this guidance, Paragraph (T) of OAC 3750-1-01 sets for the that "first response equipment" means equipment other an emergency response and fire fighting vehicles designed primarily for the purpose of facilitating the safe and efficient response to an unanticipated and unauthorized release of hazardous substances and extremely hazardous substances.

Capital improvements expenditures were addressed in a memo to the Committee Information Coordinators dated February 9, 1995. That memo advised against using Committee Grant funds for the purposes of construction (Attachment 2)

OSHA 29 CRF 1920.120(q) and EPA 40 CFR 311 provide that emergency response employees be completely trained before they perform in emergencies. At a minimum, such training should include: the duties and functions of each

responder in the emergency response organizations, the elements of the emergency response plan, standard operating procedures (SOPs) established by the employer, and the procedures for notification and handling of emergency incidents.

Under these regulations, the employer must certify annually that each employee has successfully completed the required training. The method used to demonstrate competency for certification of training must be recorded and maintained by the employer. Important concepts to remember are:

1. *The chief or director is responsible for determining the appropriate level of training required based on actions required of members as stated in the SOP's, and should be consistent with the LEPC's plan training section.*
2. *The chief or director is responsible for implementing the required training or certifying that members of the organization have the competencies required. Documentation is critical.*
3. *OSHA 1920.120 refers to individuals and agencies that are expected to respond to an emergency involving hazardous materials; that is, career or volunteer, fire, emergency medical services (EMS) or law enforcement personnel.*

*OSHA 1910.120(q) and EPA 40 CFR 311 refer to employers whose employees are engaged in emergency response to hazardous material incidents. Employer responsibilities under these regulations fall into four primary areas:*

1. *Development of an emergency plan.*
2. *Development of specific procedures for handling hazardous material incidents.*
3. *Training requirements.*
4. *Health and safety requirements (medical monitoring for the use of chemical protective clothing and exposure records).*

Employers must ensure that employees receive training in emergency response to hazardous material incidents, based on their expected duties and functions. (29CFR1910.120(q)) Such training must be performed before employees are permitted to perform in emergencies.

1. An employer is responsible for determining the appropriate level of training required, based on actions expected of employees as stated in the agency's SOP's.
2. An employer is responsible for implementing the required training. Emphasis should be on achieving the required competencies for the appropriate level of response rather than on minimal requirement for length of training.
3. An employer is responsible for selecting qualified, competent instructors.
4. An employer must provide annual refresher training sufficient to maintain competencies, or employees must demonstrate required competencies annually.
5. An employer must maintain a record of demonstrated competencies explaining how each competency was demonstrated. Training records must contain:
  - a) Dates of training,
  - b) Student rosters,
  - c) Curriculum outlines,
  - d) Demonstration checklists or performance records and evaluation tools, and;
  - e) Scores, if appropriate.

### **Goal of the Procedure**

Committees have a responsibility to effectively use available funding to maximize the level of preparedness to respond to chemical emergencies and to improve public awareness of potential chemical hazards in their district through the SERC Grant Program. Committees are to accomplish the tasks assigned to them by Chapter 3750 of the Ohio Revised Code, as follows:

- A. Have a functional Committee, demonstrated by:
  1. Substantial compliance with membership requirements;
  2. Designation of officers
  3. Ability to handle public information requests;
  4. Ability to handle public information requests;
  5. Conduct regular local emergency planning committee meetings; and
  6. Maintain fiscal accountability.

- B. Annually conduct an exercise of the chemical emergency response and preparedness plan with a facility subject to the Act or a transporter of hazardous materials within the district; evaluate the results, and implement changes identified for improvement.
- C. Annually review the district plan and implement changes identified to maintain or improve the plan. Distribute the plan to all emergency response organizations identified in the plan's distribution section, which must include adjacent districts, as set forth in 3750.04.
- D. Conduct an active compliance program to ensure facilities located within their district comply with sections 3750.05 through 3750.08 of the ORC.
- E. Ensure that training, consistent with 29 CRF 1910.120 at a minimum, has been made available to all potential emergency response organizations within the local emergency planning district so that safe responses can be made to hazardous chemical releases. NFPA #472 serves as a standard for the fire service and NFPA 473 serves as the standard for emergency medical service.

## Procedure

When a Committee determines that it has substantially fulfilled the requirements established by Chapter 3750 outlined above and the training pursuant to OSHA 29 CFR 1910.120(q) have been completed in accordance with the Committee's Plan, OAC Rule 3750-50-10(F)(2) provides that remaining funds awarded to the Committee by the SERC may be utilized for the purchase of first or emergency response equipment.

The SERC recommends that the procedure set forth below, be followed if SERC/LEPC grant funds are to be used purchase first response equipment with SERC/LEPC Grant funds. As a reminder, vehicles, as defined in paragraph TT of ORC Rule 3750-1-01 for the purposes of this procedure, may not be purchased.

- A. In making the decision to purchase first or first/emergency response equipment, a committee should take the following guidance into consideration:
  - 1. The number of responders trained in the district to safely use the equipment you wish to purchase is consistent with the training work plan included in the LEPC's Chemical Emergency Response and Preparedness Plan.
    - a. OSHA 1910.120 and NFPA #472 call for 13 to 26 people be trained to the technician level to provide level B response.
    - b. Two to four pieces of equipment may be needed to comply with OSHA; for example, SCBAs.
  - 2. Example lists of hazardous material response team equipment are included as Attachment 3. However, the Committee is not restricted to only items found on the example list.
- B. Upon receipt of a request from a fire department to purchase equipment, committees that determine that they are in substantial compliance with their training plan and have fulfilled the activities set forth in Chapter 3750, should determine that the proposed purchase meets the following criteria:
  - 1. The equipment to be purchase is necessary to accomplish the goals and intent of Chapter 3750 of the Ohio Revised Code; and the above goal statement.
  - 2. The chairperson of the committee certifies that the training needs, as outlined within their chemical emergency response and preparedness plan, have been completed to the SERC and their county commissioners by providing the with a copy of that certification. (an example certification is provided at IV.C) of this procedure.)
  - 3. The desired equipment is determined to be necessary to improve the community's responses to hazardous substances and extremely hazardous substances that have the potential to be released in an amount that will affect the community requesting to make the purchase (Vehicles are not allowed per ORC Rule 3750-1-01).
  - 4. The LEPC has funding available in the fiscal year that the purchase is to be made, above the minimum amount necessary for the committee to complete the activities as outlined in Section III of this procedure based on the following calculations.
    - a. The committee's funding shall be calculated on the projected life of the piece of equipment or for a period covering the past three to five years.
    - b. The percentage of the total cost that may be funded from available LEPC grant funds awarded from the State Emergency Planning and Community Right to Know Fund, are set forth under this section.
      - i. Equipment whose use is projected at 100% hazardous chemical release response related may be fully funded.

As adopted by the SERC August 13, 2008

- ii. Equipment whose use is projected at less than 100% but equal to or greater than 50% may be funded at 75%.
- iii. Equipment whose use is projected at less than 50% but equal to or greater than 10% may be funded at 50%.
- iv. Equipment whose use is projected at less than 10% is not eligible for grant funding.

5. The Committee shall either, by written or oral motion, determine that the equipment to be purchased fills an identified need through Risk Analysis and capability assessment from the LEPC plan; and approve the purchase of the equipment at a regularly scheduled committee meeting.

6. A copy of all documentation showing that the training set forth by the Committee's plan was met prior to the purchase of the equipment and supporting the percentage of the purchase charged to the grant funds shall be forwarded along with the Committee's certification statement to the Commission.

NOTE: As a reminder, HMTA funds are limited when purchasing equipment to no more than 5% of the grant amount. Only one of any item may be purchased, such as one slide projector. HMTA funds require a 20% local/state match.

- C. Thirty days after providing certification as set forth in IV(A)(2) to the Commission, the Committee may proceed with the purchase, recognizing that the committee is accountable for compliance with Section 3750.14(D)(4), rule 3750-50-10(F)(2) and to the Auditor of the State.

The SERC recommends that a committee's certification prior to authorizing the purchase emergency response equipment be similar to the following example:

*In accordance with the concurring Chemical Emergency Preparedness and Response Plan for \_\_\_\_\_ County, I hereby certify that the emergency responders of \_\_\_\_\_ County have been trained to a level consistent with OSHA 1910.120 (NFPA 472) so that it can reasonably be expected that an adequate safe response to the unexpected release of a hazardous chemical or extremely hazardous substance can be made.*

\_\_\_\_\_  
LEPC Chair

- D. The Commission will acknowledge receipt of your Certification that the training as identified with plan has been completed. The acknowledgement will be copied to the SERC Training and Education Committee. Additional information may be requested to document that the requirements of Chapter 3750 and OSHA 29 CFR 1910.120 (q) have been addressed.
- F. The Committee shall maintain the documentation that shows that the amount of training set forth in the plan was achieved prior to the purchase of equipment, the resolution/motion authorizing the grant to make the purchase, and other documentation necessary under the State's auditing procedures for a period established by their county auditor.

---

This procedure will be in effect until amended or rescinded by the SERC

As adopted by the SERC August 13, 2008

**Attachment 1**  
**Resolution 90-56**

**RESOLUTION 90-56  
EMERGENCY RESPONDER TRAINING STANDARDS  
NATIONAL FIRE PROTECTION ASSOCIATION #472**

**WHEREAS**, the State Emergency Response Commission (Commission) is responsible for the oversight of emergency response preparedness of the local emergency planning committees (LEPCs) in the State of Ohio, as established by Chapter 3750 of the Ohio Revised Code (ORC); and

**WHEREAS**, Section 126, Title I of the Superfund Amendment and Reauthorization Act of 1986 requires the Secretary of Labor to establish training standards for emergency personnel who are responsible for responding to hazardous emergency situations; and

**WHEREAS**, the Secretary of Labor adopted the Hazard Communication Training Standards (29CFR 1910.120) promulgated by the Occupational Safety and Health Administration (OSHA) which became effective March 6, 1990; and

**WHEREAS**, the U.S. Environmental Protection Agency adopted 40 CFR Part 311 on March 6, 1990 establishing training standards consistent with 29 CFR 1910.120 for those states without an approved OSHA State Plan, such as Ohio; and

**WHEREAS**, the National Fire Protection Association (NFPA) has developed NFPA document #472, the “Standard for Professional competence of Responders to Hazardous Material Incidents” as a minimum standard to be followed by fire service to measure competency of their personnel; and

**WHEREAS**, the Ohio Metro Fire Chief’s Association approved a motion adopting NFPA #472 as a minimum training standard for emergency responders to hazardous material incidents on October 11, 1990; and

**WHEREAS**, the Ohio Metro Fire Chief’s Association has requested that the Commission give consideration to their endorsement of NFPA #472.

Resolution 90-56  
National Fire Protection  
Association #472  
Page 2

**THEREFORE**, let it be resolved that the Commission hereby recognizes the endorsement of the Metro Fire Association and hereby encourages the use of NFPA #472 as a minimum training standard.

**Record of Motion:**

\_\_\_\_ 14 \_\_\_\_ For  
\_\_\_\_ 0 \_\_\_\_ Against  
\_\_\_\_ 1 \_\_\_\_ Abstaining

I hereby certify this resolution was approved by a majority of the State Emergency Response Commission members present the meeting of this 13<sup>th</sup> day of December, 1990.

\_\_\_\_\_  
Richard L. Shank, Chairman

## **Attachment 2**

# **Capital Improvement Guidance**

February 7, 1995

Sheriff Larry Travis  
LEPC Chairman  
102 East Second Street  
Waverly, Ohio 45690

Dear Sheriff Travis:

I am sorry that it took so long to respond to your letter of November 10, 1994, requesting SERC's approval to allow the use of funds granted to your LEPC to partially fund the construction of an Emergency Management Agency Facility. In preparing this response it was necessary to consult with our fiscal officer, our attorney, and a representative of the Auditor of the State.

Section 3750.14 of the Ohio Revised Code (ORC) and Ohio Administrative Rule 3750-50-10 were reviewed to determine if such expenditures were prohibited or authorized. We also considered the ramifications of exercising discretion if such an expenditure was to be authorized. Paragraph D of Section 3750.14 ORC does prohibit; the acquisition of first response equipment, the cost of copying and mailing forms (because a fee may be charged), reimbursing anyone for a response or clean-up, and to pay for damage assessment of any release. Paragraph C provides that the grants may be used to prepare or revise, exercise and review the Committee's plan. It also allows for the consideration of the minimum personnel and essential office equipment. This indicates that the legislature contemplated the need to provide staff to implement the requirements of the Act, and "office equipment" needed to administer the program. This office equipment would include file cabinets for the plan and the inventory reports, a computer system to track the reports and plan, and a system to receive twenty four hour notification such as telephones and pagers.

While the Code is silent about "capital improvements," both our attorney and the State Auditor's office feel that such an expenditure would place us in a position where the SERC would be entitled to a part of the selling value of the property when it was sold. Also, it was felt that due to the life expectancy of real estate that it would be impossible to establish a percentage of the total use of the facility which could be assigned to the LEPC.

However, assigning a percentage of the facility's use could be done on an annual basis. Therefore, SERC/LEPC Grant funds could be used to pay for an agreed to percentage of the rent or lease which could be attributed to the space requirements for conducting LEPC business.

At the December SERC meeting, the SERC agreed that it would abide by the decision of the Auditor of the State and the attorney. Therefore, I regret to advise you that grant funds may not be used for construction.

Sincerely,

Jane Harf  
SERC Chair

JH/KAS/lf

## Attachment 3

# Example Lists of Hazardous Materials Response Team Equipment

## Ohio Hazardous Materials and WMD - Technical Advisory Committee Hazmat Team Typing - Required Equipment List (v1.2)

1. FIELD TESTING AND DETECTION								
1.1 Color Change Analysis - Non-Electronic								
INVENTORY	ITEM NAME AND DESCRIPTION	REQUIREMENT	NOTES	Type 1	Type 2	Type 3	YES	NO
1.1.1	<b>TEST STRIPS, pH PAPER, Packets</b> , To test acidity or alkalinity of aqueous solutions; Presence is based upon a color change. (i.e. ColorpHast, pHydriion, Whatman)	1 PKT		R	R	R		
1.1.2	<b>TEST STRIPS, OXIDIZER, Packets</b> : Physical or chemical property sensitive; Presence is based upon a color change. (i.e. Emquant, Sensafe)	1 PKT		R	R	NA		
1.1.3	<b>TEST STRIPS, PEROXIDE, Packets</b> : Physical or chemical property sensitive; Presence is based upon a color change. (i.e. Emquant, Sensafe)	1 PKT		R	R	NA		
1.1.4	<b>TEST STRIPS, WMD CHEMICAL, Kit</b> : Military grade detection papers for field testing of liquids only; (i.e. "M-8" paper booklet of 25 sheets, which are also part of the M256A1 Kit, for nerve agents GA, GB, GD, GF VX and blister agents L, H, HD). Strip turns to one of four colors.	1 PKT		R	NA	NA		
1.1.5	<b>TEST PAPER, WMD CHEMICAL, Roll</b> : Military grade (i.e. "M-9" paper rolls, for nerve or blister agents). Presence is based upon a single color change, and does not distinguish between nerve agents and blister agents.	1 PKT		R	NA	NA		
1.1.6	<b>TEST PAPER, WMD CHEMICAL, Card</b> : Military M256A1 plastic card test kit (Twelve disposable plastic test cards are part of the M256A1 kit; for nerve [GA, GB, GD, VX], blister [H, HD, CX, L], blood [AC, CK] Presence is based upon color changes)	1 KIT		R	NA	NA		
1.1.7	<b>TEST CARD, TRAINING ONLY, WMD CHEMICAL</b> : Military M256A1 Training Kit.	1 KIT		R	NA	NA		
1.2 Qualitative Analysis - Non-Electronic								
INVENTORY	ITEM NAME AND DESCRIPTION	REQUIREMENT	NOTES	Type 1	Type 2	Type 3	YES	NO
1.2.1	<b>INDUSTRIALCHEMICALS, UNKNOWN, Qualitative</b> : Test Kit, Qualitative analysis, For testing and detection of unknown industrial chemicals, not for biological substances.(i.e. HazCat® Kit, 5-Step® Kit) If included in inventory, satisfies requirement for 1.2.1.	1 KIT		R	NA	NA		

Revised 04/18/2006 Note: All brand names shown are for illustration and clarification only and do NOT indicate an endorsement of that product or company.

## Ohio Hazardous Materials and WMD - Technical Advisory Committee Hazmat Team Typing - Required Equipment List (v1.2)

1.3 Qualitative Analysis Kits - Electronic								
INVENTORY	ITEM NAME AND DESCRIPTION	REQUIREMENT	NOTES	Type 1	Type 2	Type 3	YES	NO
1.3.1	<b>CHROMATOGRAPHY, GAS</b> – Portable chromatograph system complete within a briefcase or attaché case, self-contained computer, database, and display.	1 Complete Kit of any one of three technologies described, or equal or better. Must be available for use at a scene.		R	NA	NA		
1.3.2	<b>SPECTROMETRY, MASS or equal</b> – Portable general mass spectrometry system complete within a briefcase or attaché case, self-contained computer, database, and display.							
1.3.3	<b>SPECTROSCOPY, INFRA-RED:</b> Portable identification system including computer, color display, software, 12 volt or 120 volt; Scans unknown with infra-red light and compares fingerprint with information in a database to identify unknown; Varies between 23 lbs to 45 lbs, depending upon manufacturer. (i.e. SensIR)							
1.4 Colorimetric Analysis - Non-Electronic								
INVENTORY	ITEM NAME AND DESCRIPTION	REQUIREMENT	NOTES	Type 1	Type 2	Type 3	YES	NO
1.4.1	<b>COLORIMETRIC Kit, BASIC</b> – For industrial chemicals spot analysis detection of vapors, gases (i.e. Draeger, MSA, Sensidyne, Matheson)	1 Complete Kit of any one of the three kits listed		R	R	NA		
1.4.2	<b>COLORIMETRIC Kit, CHIP</b> – Industrial chemicals spot analysis detection of vapors, gases; Miniaturized colorimetric tubes in a glass or plastic chip, often several chips to a packet. May include or require special bellows pump, electronic reader depending upon sophistication and manufacturer (i.e. Draeger CMS, or equal).							
1.4.3	<b>COLORIMETRIC Kit, MULTI-SENSING</b> – Adapter specifically designed to read up to five (5) or more tubes simultaneously (each tube can be different), during one reading survey (i.e. Draeger, or equal).							
1.4.4	<b>COLORIMETRIC Kit, WMD Special</b> – WMD chemicals spot analysis detection of vapors, gases; Consists of specially selected industrial chemical colorimetric tubes assembled by the manufacturer with special instruction on how to employ for some WMD chemicals detection. Requires more advanced interpolation of the data derived (i.e. Draeger CDS, or equal)	1 Kit, complete		R	NA	NA		

Revised 04/18/2006 Note: All brand names shown are for illustration and clarification only and do NOT indicate an endorsement of that product or company.

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

1.5 WMD Biological Detection - Electronic								
INVENTORY	ITEM NAME AND DESCRIPTION	REQUIREMENT	NOTES	Type 1	Type 2	Type 3	YES	NO
1.5.1	<b>AGENT SPECIFIC Biological Detection</b> – A sampling and detection system which will verify presence of a biological substance based upon protein fluorescence, or PCR / DNA replication technologies. This system is agent specific. Devices from different manufacturers should be reviewed as each manufacturer may provide a different array of agents that can be detected. (i.e. Guardian Tetracore, protein fluorescence technology – Anthrax, SEB, Plague, Tularemia, Ricin, Botulinum, Bucella) - Or - (i.e. RAMP Systems, immuno-assay fluorescence technology, - Ricin, Botulinum, Anthrax, Small Pox) - Or - (i.e. Smith Bio-Seq, DNA replication technology, - Anthrax, Small Pox, Tularemia, Plague)	1 Stand-Alone System or Kit, or Equal or Better		R	NA	NA		

Revised 04/18/2006 Note: All brand names shown are for illustration and clarification only and do NOT indicate an endorsement of that product or company.

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

<b>2. AIR MONITORING</b>								
<b>2.1 Confined Space Monitoring</b>								
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>
2.1.1	<b>CONFINED SPACE OSHA STANDARD Four Gas:</b> Continuous monitoring, independent displays, built-in alarms, minimum of 10 feet of tubing and sampling wand. Referred to as "Four-in-One" Kits: (O2 Presence in Percent; Combustible Vapor in LEL; CO presence; H2S presence)	See Quantity Required on the Right		3 ea	2 ea	1 ea		
2.1.2	<b>CALIBRATION KIT,</b> for Item # 2.1.1: For each type of the above that may be in inventory. (May be supplied by manufacturer as part of monitoring device kit). One cal kit may serve multiple units.	1 Kit for each type of meter		R	R	R		
<b>2.2 Multiple Gas Monitoring, Toxic</b>								
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>
2.2.1	<b>TOXIC VAPOR, in ppm:</b> Capable of detecting combustible atmospheres (VOC – Volatile Organic Compounds) and toxic vapors (TIC – Toxic Industrial Compounds); Capable of identifying specific substances; Resistant to damage from chlorinated hydrocarbons. (Example: Photo-ionization Detector such as Minii-Rae 2000, MSA or Scott PID)	See Quantity Required on the Right		2 ea	1 ea	NA		
2.2.2	<b>CALIBRATION KITS:</b> One for each type of the above that may be in inventory. One cal kit may serve multiple units.	1 Unit for each type of instrument		R	R	NA		
<b>2.3 Speciality Gas Capability</b>								
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>
	Each team must have the ability to detect, identify and quantify each of the following gases. Any one of several technologies may be used to accomplish this, such as colorimetric tubes, electrochemical sensors or PID's. Other monitoring devices in the team's inventory may be used to meet this requirement.)							
2.3.1	<b>AMMONIA:</b> Detects Ammonia vapors to ppm, nominal range 0 to 100 ppm. (i.e. Innova, Rae)	1 Unit		R	R	NA		
2.3.2	<b>FREONS, Halogenated Hydrocarbons:</b> Halogen derivative refrigerants (i.e. Tif)	1 Unit		R	R	NA		
2.3.3	<b>HALOGEN GASES:</b> Specifically Chlorine, Bromine (i.e. AirWare; Biosystems; RKI, Innova, Rae)	1 Unit		R	R	NA		
2.3.4	<b>PHOSPHINE:</b>	1 Unit		R	R	NA		
2.3.5	<b>CALIBRATION KITS:</b> Maintenance or Calibration Kit for each of the above devices that may be in inventory, as necessary.	1 per Unit		R	R	NA		

Revised 04/18/2006

Note: All brand names shown are for illustration and clarification only and do NOT indicate an endorsement of that product or company.

4 of 28

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

2.4 WMD Chemical Dedicated Instruments									
INVENTORY	ITEM NAME AND DESCRIPTION	REQUIREMENT	NOTES	Type 1	Type 2	Type 3	YES	NO	
2.4.1	<b>NERVE AGENT Detection:</b> This includes GA, GB, GD, GF, VX; (Example APD2000)	Must have a capability to monitor and detect for at least one substance in each of these six categories. This may require one to several instruments, depending on the versatility of each instrument.		R	NA	NA			
2.4.2	<b>BLISTER AGENT – MUSTARDS Detection:</b> This includes H, HD, HN. (Example APD2000)			R	NA	NA			
2.4.3	<b>BLISTER AGENT – LEWISITE Detection:</b> This includes L HL;(Example APD2000)			R	NA	NA			
2.4.4	<b>BLOOD AGENTS Detection:</b> This includes AC, HCN, CK, SA; . Some specialty industrial detection devices are available. (Example APD2000)			R	NA	NA			
2.4.5	<b>CHOKING / VOMITING AGENTS Detection:</b> This includes CG, DP, CL; . Some specialty industrial detection devices are available for Chlorine and Hydrogen Chloride. (Example APD2000)			R	NA	NA			
2.4.6	<b>INCAPACITATING AGENTS Detection:</b> Specifically Pepper Spray. (Example APD2000)			R	NA	NA			
2.4.7	<b>CALIBRATION KITS:</b> Maintenance or Calibration Kit for each of the above devices that may be in inventory, as necessary.			1 for each type of monitoring unit.		R	NA	NA	

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

<b>3. SAMPLING</b>								
<b>3.1 Substance Capture and Bulk Transfer</b>								
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>
3.1.1	<b>SAMPLING KIT, Basic</b> : to obtain and store liquid and solid samples. Kit shall contain assorted clean glass jars, transfer pipettes, long handle dipper, forceps, funnels, spatula, spoons, sample vials, plastic ziplock bags, evidence bags, labels and permanent marking pens.	1 kit		NA	NA	R		
3.1.2	<b>SAMPLING KIT, Advanced</b> : to obtain and store liquid and solid samples. Kit shall contain assorted clean glass jars, transfer pipettes, swipe sample swabs, long handle dipper, forceps, funnels, spatula, spoons, poly sample jars, sterile glass sample jars, sample vials, plastic ziplock bags, evidence bags, labels, evidence seals, permanent marking pens and chain of custody forms.	1 kit		R	R	NA		
<b>3.2 Bulk Liquid Transfer - Mechanical</b>								
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>
3.2.1	<b>PUMP, SYPHON, DRUM, Heavy Duty, Stainless Steel</b> : For 55 gallon drums; stainless steel with Teflon piston; and hose	1 of any of these three pumps listed		R	R	R		
3.2.2	<b>PUMP, SYPHON, DRUM, Heavy Duty, High Quality</b> : For 55 gallon drums; PVC construction with Viton gaskets and valves; and hose			R	R	R		
3.2.3	<b>PUMP, ROTARY, Transfer, Metal</b> : Suitable for flammable liquids in 55 gallon drums;			R	R	R		
3.2.4	<b>PUMP, DIAPHRAGM, HAND</b> : Portable hand pump with handle, push-pull diaphragm; (i.e. Gall's, RMC Medical, Hoop, Aramsco)	1		R	R	R		

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

<b>3.3 Containerization, Labeling, Documentation</b>								
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>
3.3.1	<b>PHOTO, ASSESSMENT and RECONISANCE KIT, Film:</b> Camera which provides "instant" printed images for analysis by on-scene personnel / Incident Command conducting hazard assessment. (i.e. Polaroid, Kodak, etc.)	1 Kit		R	R	R		
3.3.2	<b>PHOTO, ASSESSMENT and RECONISANCE KIT, Digital:</b> Camera digital which provides "instant" digital images for analysis by on-scene personnel / Incident Command conducting hazard assessment, and can be downloaded to computer and printed. (i.e. Nikon, Canon, Minolta, etc.)	1 Kit		R	R	NA		
<b>3.4 Transportation</b>								
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>
3.4.1	<b>CONTAINER, BIOLOGICAL, Plastic:</b> A complete packaging system consisting of locking screw lid and jars of various capacities (6 ml to 500 ml), reinforcing receptacle, and cardboard box, with labels and instructions; Suitable for low threat infectious, blood, and biological. (i.e. Saf-T-Pak)	1 kit, any size		R	NA	NA		

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

<b>4. RADIATION MONITORING/DETECTION</b>								
<b>4.1 Gamma, Beta, and Alpha Identification and Survey</b>								
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>
4.1.1	<b>SURVEY METER, GAMMA:</b> Capable of detecting gamma radiation (10 keV), with visual display meter 0.001 milli-Roentgen to 1 Roentgen per hour scale, and includes counts per minute/counts per second scale (0-60,000CPM). May include additional support utilities such as headphone set, interchangeable probes, computer hardware receptacle. (Victoreen CDV700, Ludlum or equals)	1 Unit, Combination Unit will satisfy Requirement		R	R	R		
4.1.2	<b>SURVEY METER, BETA:</b> Capable of detecting beta particles (50 keV at 45% efficiency or 150 keV at 80% efficiency), with variable visual display readout in Roentgen and milli-Roentgen per hour, and includes counts per minute/counts per second scale. May include additional support utilities such as headphone set, interchangeable probes, and computer hardware receptacle. (Victoreen CDV700, Ludlum or equals)	1 Unit, Combination Unit will satisfy Requirement		R	R	NA		
4.1.3	<b>SURVEY METER, ALPHA:</b> Capable of detecting alpha particles (2.5 MeV with 70% efficiency), with variable visual display readout in Roentgen and milli-Roentgen per hour, and includes counts per minute/counts per second. Can contain a built-in detector or incorporate separate attachable detector probes.	1 Unit, Combination Unit will satisfy Requirement		R	NA	NA		

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

<b>4.2 Radionuclide Identification</b>									
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>	
4.2.1	<b>RADIO-NUCLIDE DETECTION:</b> Hand held instrument which includes either an internal or external detector, and also includes an internal memory of a radioactive nuclide library. Graphical display in counts per second, and energy corrected dose. Might be programmable for defined alarm levels. Might require docking station. May support download of stored data to computer display. Displays correct chemical name of identified radio-nuclide, classification, and nuclide size.	1 Unit		R	NA	NA			
<b>4.3 Dosimeter</b>									
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>	
4.3.1	<b>DOSIMETER, DIRECT READING:</b> Direct reading of accumulated dose, or quantity of gamma and x-ray exposure. Requires hand-held re-charger, scale increments should be in milli-Roentgen. Good for quick, immediate, and initial emergency survey. Electronic dosimeter, with or without alarm in 4.3.3 will also satisfy this requirement.	See Quantity Required on the Right		20 ea	15 ea	10 ea			

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

5. CHEMICAL PROTECTIVE CLOTHING								
5.1 Vapor Protective								
INVENTORY	ITEM NAME AND DESCRIPTION	REQUIREMENT	NOTES	Type 1	Type 2	Type 3	YES	NO
5.1.1	VAPOR PROTECTIVE ENSEMBLE, NFPA 1991 Industrial Chemicals; At least one for each assigned member, not less than 6 for a Type I Company, and 4 for a Type II Company.	See Quantity Required on the Right		6 ea	4 ea	NA		
5.1.2	VAPOR PROTECTIVE, with 1991 WMD Chemical / Biological Protection: Includes additional NFPA 1991 WMD Chemical / Biological Protection Option; At least one for each assigned member (Can be same ensemble as 5.1.1 if so specified and certified)	See Quantity Required on the Right		6 ea	NA	NA		
5.1.3	VAPOR PROTECTIVE, with 1994 WMD Chemical / Biological Protection: A separate garment per NFPA 1994 Class One for high vapor threat protective ensemble, or Class Two for low vapor threat protective ensemble; (Can be in place of 1991 WMD Chemical / Biological Option)	See Quantity Required on the Right		6 ea	NA	NA		
5.1.4	PRESSURE TEST KIT: Usually supplied by garment manufacturer, includes Magnehelic gauge.	One		R	R	NA		

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

<b>5.2 Liquid Splash Protective</b>								
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>
5.2.1	<b>LIQUID SPLASH PROTECTIVE, NFPA 1992;</b> Industrial Chemicals for liquid contact and splash protection (no vapor protection), can be jumpsuit style or multi-piece ensemble depending on manufacturer design.	See Quantity Required on the Right		6 ea	4 ea	4 ea		
5.2.2	<b>LIQUID SPLASH PROTECTIVE, with NFPA 1994 Class 3 WMD Chemical / Biological Protection:</b> A separate NFPA 1994 Class 3 WMD Chemical / Biological Protection Ensemble which provides for liquid splash protection, and provides a lesser level of physical property protection than NFPA 1992 garment. If selected to be in inventory, meets requirement for item 5.2.1.	See Quantity Required on the Right		6 ea	NA	NA		
<b>5.3 Limited Use Protective</b>								
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>
5.3.1	<b>LIMITED USE, Splash Protective;</b> Two for each assigned member (Saranated Tyvek or better)	See Quantity Required on the Right		40 ea	30 ea	20 ea		

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

<b>6. ANCILLARY PROTECTIVE EQUIPMENT</b>								
<b>6.1 Hand Protection</b>								
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>
6.1.1	<b>REPLACEMENT GLOVES, Vapor Protective:</b> Compliant to NFPA Standard 1991. Replacement glove inventory must include ample supply of the manufacturer's "outer" glove. The "inner" glove is listed in item # 6.1.3 below.	See Quantity Required on the Right		6 pr	4 pr	NA		
6.1.2	<b>REPLACEMENT GLOVES, Liquid Splash Protective:</b> Compliant to NFPA Standard 1992. Replacement glove inventory must include ample supply of the manufacturer's "outer" glove. The "inner" glove is listed in item # 6.1.3 below. Doubling the number of 6.1.1 replacement gloves will satisfy this requirement, and reduce the number of different types of gloves.	See Quantity Required on the Right		6 pr	4 pr	4 pr		
6.1.3	<b>UNDER-GLOVE:</b> Light weight chemical resistant disposable type glove popularly used as an under-glove or "inner" glove for the 1991 and 1992 ensembles. Also is used separately for light duty work, handling, sampling. (i.e. Silvershield, 4H, Barrier)	24 pair		R	R	R		
6.1.4	<b>HIGH TEMPERATURE Protective Glove:</b> Provides nominal one minute of contact protection for surface temperatures of 800 o F to 1,000 o F, and 1,000 o F to 1,300 o F. Differing heat insulating ratings verses time is dependant upon manufacturer blend of Nomex® / Kevlar® / and PBI®.	2 pair		R	R	NA		
6.1.5	<b>ULTRA-COLD Protective Glove:</b> Gauntlet length minimum elbow; Provides nominal one minute continuous contact protection for liquids (minus) – 260 o F to (positive) + 300 oF. Often not suitable for immersion in liquid nitrogen	2 pair		R	R	NA		

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

6.2 Foot Protection								
INVENTORY	ITEM NAME AND DESCRIPTION	REQUIREMENT	NOTES	Type 1	Type 2	Type 3	YES	NO
6.2.1	<b>BOOTS, CHEMICAL RESISTANT:</b> For use with Vapor Protective or Liquid Protective garments, and originals may be supplied by garment manufacturers. Replacements for NFPA 1991 ensemble must meet NFPA Standard 1991; Replacements for NFPA 1992 ensemble must meet NFPA Standard 1992 or better; Replacements for use with NFPA 1994 ensemble must meet NFPA Standard 1994 or better. In order to reduce the number of boot sets on hand, one set of NFPA 1991 boots will satisfy requirements for both NFPA 1992 and 1994	See Quantity Required on the Right		20 pr	15 pr	10 pr		
6.2.2	<b>BOOTIE, OUTER PROTECTIVE:</b> Disposable chemical protective bootie slip-over that covers entirely a General Work Safety Boot for use in low threat level contamination environments. Not intended to take the place of nor provide protection equivalent to NFPA 1991, 1992 and 1994 CPC boots.	See Quantity Required on the Right		20 ea	15 ea	R		
6.3 Head and Eye Protection								
INVENTORY	ITEM NAME AND DESCRIPTION	REQUIREMENT	NOTES	Type 1	Type 2	Type 3	YES	NO
6.3.1	<b>HELMET:</b> Light weight construction style helmet to provide head protection when wearing any CPC ensemble. Should include suspension system, and adjustable sizing.	See Quantity Required on the Right		8 ea	6 ea	6 ea		
6.3.2	<b>GOGGLES:</b> For use during sample taking, material testing and qualitative analysis; Wide angle wraparound to prevent frontal and side splash to eyes; Polycarbonate or better lens for impact resistance. Some available to fit over prescription glasses.	6 pair		R	R	R		
6.4 Support System								
INVENTORY	ITEM NAME AND DESCRIPTION	REQUIREMENT	NOTES	Type 1	Type 2	Type 3	YES	NO
6.4.1	<b>UNDERGARMENT, FIRE RESISTANT:</b> Jumpsuit style garment, with or without pockets, of fire resistant material (Nomex, PBA, Kevlar or blend).	See Quantity Required on the Right		8 ea	6 ea	6 ea		

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

7. TECHNICAL REFERENCE								
7.1 Printed References, Industrial and WMD Chemicals								
INVENTORY	ITEM NAME AND DESCRIPTION	REQUIREMENT	NOTES	Type 1	Type 2	Type 3	YES	NO
7.1.1	<b>DATABASE TYPE, Printed:</b> Technical data, physical, chemical and toxicological properties (See Appendix E, Chart # 2)	3 Different References from Chart #2		R	R	R		
7.1.2	<b>GUIDEBOOK TYPE, Printed:</b> Intervention, incident handling, hazard assessment. (See Appendix E, Chart # 3)	2 Different References from Chart #3		R	R	R		
7.1.3	<b>SPECIALTY TYPE, Printed:</b> Special topics (i.e., rail tank car cross sections, pesticides, etc.) or specific information (i.e. incompatibility) (See Appendix E, Chart # 4)	2 Different References from Chart #4		R	R	NA		
7.1.4	<b>STANDARDS TYPE, Printed:</b> adopted consensus standards such as NFPA 471, 472, 473, 1991, 1994 (See Appendix E, Chart # 5)	1 each of: Appropriate NFPA standards		R	R	R		
7.1.5	<b>REGULATORY TYPE, Response Guidelines, Printed:</b> Local, Municipal, and County Response Plans, Regional and State ERP's	1 copy – Local Response Plans 1 copy – County ERP 1 copy - State ERP		R	R	R		
7.1.6	<b>WMD Chemical / Biological Substances; Printed:</b> Technical data, some guidelines, some first aid information. (See Appendix E, Chart #6)	At Least: 1 - Chemical 2 - Biological		R	NA	NA		

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

7.2 Electronic References, Industrial and WMD Chemicals								
INVENTORY	ITEM NAME AND DESCRIPTION	REQUIREMENT	NOTES	Type 1	Type 2	Type 3	YES	NO
7.2.1	<b>DATABASE TYPE, Electronic:</b> Technical Data, physical, chemical and toxicological properties (See Appendix E, Chart # 7)	1 Program		R	R	NA		
7.2.2	<b>GUIDEBOOK TYPE, Electronic:</b> Intervention, incident handling, hazard assessment. (See Appendix E, Chart # 8)	1 Program		R	R	NA		
7.2.3	<b>SPECIALTY TYPE, Electronic:</b> Special topics (i.e. rail tank car cross sections, pesticides, etc.) or specific information (i.e. incompatibility). (See Appendix E, Chart # 9)	1 Program		R	R	NA		
7.2.4	<b>WMD Chemical / Biological Substances; Electronic:</b> Technical data, some guidelines, some first aid information. (See Appendix E, #10)	1 Program		R	NA	NA		

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

7.3 Plume Air Modeling, Program Support								
INVENTORY	ITEM NAME AND DESCRIPTION	REQUIREMENT	NOTES	Type 1	Type 2	Type 3	YES	NO
7.3.1	<b>AIR MODELING, Database Software:</b> (i.e., Cameo, Radian, or equal)	1 Program		R	R	NA		
7.3.2	<b>AIR MODELING, Overlay / Plume Display Software:</b> (i.e. Aloha, Radian, Charm, Safer, EIS, or equal)	1 Program		R	R	NA		
7.3.3	<b>AIR MODELING, Mapping:</b> Compatible with ground floor database program (i.e. MarPlot, G.I.S., or equal)	1 Program		R	R	NA		
7.4 Computer Hardware and Software								
INVENTORY	ITEM NAME AND DESCRIPTION	REQUIREMENT	NOTES	Type 1	Type 2	Type 3	YES	NO
7.4.1	<b>COMPUTER, for on-scene use:</b> Desktop mounted in vehicle or laptop, with battery backup, with floppy disc drive, CD or CD-DVD disc drive, modem, ports to support printer/scanner/fax, and at least one extra USB service port; (Also must provide at least one extra telephone modem connection port for possible hard wire connection to the Internet for Type I and Type II).	1 Unit as Described		R	R	NA		
7.4.2	<b>PRINTER, Color, for on scene use:</b> Inkjet or laser or equal color print at rate of at least 10 pages per minute (black and white). This function can be combined with Fax / Scanner / Duplication.	1 Unit as Described		R	R	NA		
7.4.3	<b>FAX Capability, for on scene use:</b> Ability to Fax out or in, either by hard wire or by wireless; This function can be combined with Printer / Scanner / Duplication.	1 Unit as Described		R	R	NA		
7.4.4	<b>DUPLICATION Capability, for on scene use:</b> Ability to reproduce 8 ½ x 11 documents, black and white minimum. This function can be combined with Printer / Fax / Scanner	1 Unit as Described		R	R	NA		
7.4.5	<b>ACCESS To INTERNET, Wireless:</b> Hardware, connections and ports to provide ability to utilize radio or telecommunications network for computer to access the Internet	1 Capability		R	R	NA		

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

<b>8. SPECIAL CAPABILITES</b>								
<b>8.1 Advanced Technologies, Vision, Heat, Sound</b>								
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>
8.1.1	<b>LIGHT AMPLIFICATION, SCOPE, BASIC;</b> Hand-held, portable stand-alone device for diminished light environments (Night Vision); Some configurations available include: Monoculars and binoculars, usually with built-in zoom capability.	1		R	R	NA		
8.1.2	<b>INFRA-RED, SCOPE, Temperature Sensing Only;</b> Hand-held, portable scope; with L.E.D. direct temperature reading display, nominal from -25o F to + 1000o F (i.e. Omega Scope; Cole Palmer, Raynger)	1		R	R	NA		
8.1.3	<b>INFRA-RED, SCOPE, Hand-Held, Imaging;</b> Hand-held camera-like device, provides image of viewing area in infra-red light only (not ambient visual light).(Thermal Imaging Camera)	1		R	R	NA		
8.1.4	<b>CAMERA, VIDEO, Digital;</b> Portable hand-held color video camera, with laser pointer, microphone, mountable on tripod; May have built-in compass, timer; (i.e. Search Systems)	1		R	NA	NA		
<b>8.2 Advanced Technologies, Weather</b>								
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>
8.2.1	<b>WEATHER STATION, Basic Kit:</b> Tripod or mounting bracket, wind monitor (up to 100 mph), barometer (+ or – 3 mBars), air temperature sensor (-20 to +120 degrees F), internal compass, humidity sensor (0 to 100%); Hardwire connections allow use of vehicle or generator power, and sends data back to digital receiver and/or a host computer, by hardwire and/or wireless transmitter. All data upgraded nominally every second.	1 Weather System		R	R	NA		

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

<b>9. INTERVENTION</b>								
<b>9.1 Chemical Intervention</b>								
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>
9.1.1	<b>NEUTRALIZATION – Acids:</b> for concentrated Acid spills of up to 5 gallons; Should be neutral salt producing and non-polluting; Granular Sesquicarbonate recommended.(i.e. Spill-X A)	An amount sufficient to neutralize 5 gallon spill		R	R	NA		
9.1.2	<b>NEUTRALIZATION – Alkali (Bases):</b> for concentrated Alkali spills, up to 5 gallons; Should be neutral salt producing and non-polluting; Powdered Citric Acid recommended.(I.e. Spill-X C)	An amount sufficient to neutralize 5 gallon spill		R	R	NA		
9.1.3	<b>ENCAPSULATING SPREADABLE POWDER - Pesticides:</b> Granular spreadable / pourable, popular for water-based solvents, water-based pesticide encapsulation; Nominal size – 5 – 10 lbs dispenser box or bag.	1 Container		R	R	NA		
9.1.4	<b>ENCAPSULATING SPREADABLE POWDER - Formaldehyde:</b> Granular spreadable / pourable, popular for formaldehyde solvents, encapsulation; Nominal size – 5 gallon pail kit.(i.e. Spill-X FP)	1 Container		R	R	NA		
9.1.5	<b>ENCAPSULATING SPREADABLE POWDER - Solvents:</b> Granular spreadable / pourable, popular for acids, caustics, solvents, fuels, body fluids, poisons; Encapsulation and solidifies into a acrylic polymer solid; Nominal size – 2 gallon pail. (Spill-X S)	1 Container		R	R	NA		

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

9.2 Environmental Intervention								
INVENTORY	ITEM NAME AND DESCRIPTION	REQUIREMENT	NOTES	Type 1	Type 2	Type 3	YES	NO
9.2.1	<b>PADS, ABSORBANT NON-POLAR SOLVENT, (Pads or Roll):</b> Repels water, absorbs non-polar solvents (straight chain hydrocarbons, oils, some freon liquids, carbon tetrachloride); Nominal pad size 18" x 18";	150 sq feet of coverage		R	R	R		
9.2.2	<b>PADS, ABSORBANT POLAR SOLVENT, (Pads or Roll):</b> Repels non-polar solvents, absorbs polar solvents (water, acids, alkalis, aromatic hydrocarbons, some freon liquids) Nominal pad size 18" x 18";	150 sq feet of coverage		R	R	R		
9.2.3	<b>BOOMS, ABSORBANT NON-POLAR SOLVENT (Pigs, Socks, Booms):</b> Repels water, absorbs non-polar solvents (straight chain hydrocarbons, oils, some freon liquids, carbon tetrachloride); Assorted Diameters	40 feet total length		R	R	R		
9.2.4	<b>BOOMS, ABSORBANT POLAR SOLVENT (Pigs, Socks, Booms):</b> Repels non-polar solvents, absorbs polar solvents (water, acids, alkalis, aromatic hydrocarbons, some freon liquids); Assorted Diameters	40 feet total length		R	R	R		
9.2.5	<b>PILLOWS, ABSORBANT NON-POLAR SOLVENTS:</b> Repels water, absorbs non-polar solvents (straight chain hydrocarbons, oils, some freon liquids, carbon tetrachloride); Nominal size – 2 to 3 gallon absorption capacity each pad.	10 Gallon absorption		R	R	NA		
9.2.6	<b>PILLOWS, ABSORBANT POLAR SOLVENT:</b> Repels non-polar solvents, absorbs polar solvents (water, acids, alkalis, aromatic hydrocarbons, some freon liquids); Nominal size – 2 to 3 gallon absorption capacity each pad.	50 Gallon absorption		R	R	NA		
9.2.7	<b>ABSORBANT SPREADABLE POWDER - Oils:</b> Granular spreadable / pourable, popular for solvents, oils containment; Nominal size – 20 to 45 pound box or bag. (Clay oil sorbant)	1 Container		R	R	NA		
9.2.8	<b>PIPE, PLASTIC:</b> Assortment of various PVC pipe to aid in construction of over-flow and under-flow dams;	3 each		R	R	R		

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

9.3 Mechanical Intervention								
INVENTORY	ITEM NAME AND DESCRIPTION	REQUIREMENT	NOTES	Type 1	Type 2	Type 3	YES	NO
9.3.1	<b>CHLORINE "A", Kit:</b> For repair or plugging leaks in chlorine gas cylinders. (i.e. Indian Springs, Chlorine Specialties).	1 Kit		R	R	NA		
9.3.2	<b>CHLORINE "B", Kit:</b> For repair or plugging of leaks in chlorine one ton cylinders. (i.e. Indian Springs, Chlorine Specialties)	1 Kit		R	R	NA		
9.3.3	<b>CHLORINE "C", Kit:</b> For repair or plugging of leaks in chlorine rail tank cars or highway tank trucks. (i.e. Indian Springs)	1 Kit		R	R	NA		
9.3.4	<b>SULFUR DIOXIDE UPGRADE For Kit "A":</b> Allows for use of Chlorine Kit "A" for sulfur dioxide gas cylinders by providing special parts and gaskets.	1 Kit		R	R	NA		
9.3.5	<b>SULFUR DIOXIDE UPGRADE For Kit "B":</b> Allows for use of Chlorine Kit "B" for sulfur dioxide one ton cylinders by providing special parts and gaskets.	1 Kit		R	R	NA		
9.3.6	<b>SULFUR DIOXIDE UPGRADE For Kit "C":</b> Allows for use of Chlorine Kit "C" for sulfur dioxide rail tank cars by providing special parts and gaskets.	1 Kit		R	R	NA		
9.3.7	<b>PATCH AND REPAIR, PIPE, LIQUIDS, Standard, Kit:</b> Consists of (at a minimum) externally applied single bolt or dual bolt (preferable) steel pipe clamps, with rubber sheeting lining; Assorted sizes ranging from 1/2" dia. pipe to at least 4" dia. pipe; with extra 1/8" neoprene material. (i.e. Lab Safety, Cromwell, Vetter)	1 Kit		R	R	R		

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

9.3.8	<b>PATCH, TANKER, LIQUID:</b> Large foam and plastic patch 12" x 7" with 6 feet of ratchet strap for 55 gallon drums. Extendable to 25 feet with extra strapping for highway tanker patching capability. (i.e. Lab Safety or equivalent)	1 Kit		R	R	R		
9.3.9	<b>PATCH, DRUM, LIQUID, Compression, Kit:</b> Consists of assorted patches and plugs, such as compression stopper plugs with butterfly nuts, ball plugs with butterfly nuts, sheet metal screw kit, tapered dowels, "T" bolt patches with ¼" closed cell foam, 8" x 12" foam patch with bolts, 12" x 29" rubber patch, and 8" x 12" polyethylene patch and clamp with steel strap. (i.e. Lab Safety, Cromwell, or equal)	1 Kit		R	R	R		
9.3.10	<b>PLUGS, CONICAL, LIQUID, Drain:</b> Kit consisting of tapered plastic plugs with eye bolts for holes, drains, gravity flow pipes.	1 Kit		R	R	R		
9.3.11	<b>PLUGS, EXPANSION, LIQUID, Standard, Kit:</b> Kit consisting of plumber's style expansion plugs with wing nut; 1", 1 ¼", 1 ½", 1 ¾", 2", 2 ½", 3", 3 ½", 4" for drains or open butt pipe. Kit commercially available but often is "home derived", assembling pipe plugs from local plumbing distributor.	1 Kit		R	R	R		
9.3.12	<b>PLUGS, DOWELS, LIQUID, Assortment:</b> Long tapered round wood, rubber, or plastic plugs ranging from 1" dia to 5" dia, and 3" long to 10" long	1 Kit		R	R	R		
9.3.13	<b>DOMELID LOCK, Screw Clamp:</b> Secures or tightens highway tanker "manway" lids; Adjustable for width with sliding clamp tongs, and large center screw bolt for tightening. (i.e. Cromwell, Shell Oil, Lid Loc, Clemens, or equal)	Set of at least 4		R	R	R		

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

<b>10. DECONTAMINATION</b>									
<b>10.1 Ground Protection</b>									
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>	
10.1.1	<b>SHEETING, PLASTIC, ROLL, Heavy Duty:</b> water repellent polyethylene.	1 Roll		R	R	R			
10.1.2	<b>SHOWER, GROSS DECONTAMINATION:</b> Usually utilized at first "station" in a decontamination corridor process; Can be homemade, many commercial styles available; Water supplied by garden hose or 1 ½" fire department connections; Fits into Catch Basin or comes with its own Catch Basin as a kit.	1		R	R	NA			
10.1.3	<b>EYE WASH,</b> Must have ability to flush eyes at scene. May arrive on other vehicle	1		R	R	R			
10.1.4	<b>CONTAINMENT POOL, PORTABLE, LARGE:</b> Rigid or inflatable sidewalls; Nominal 60" diameter.	3		R	R	R			
<b>10.2 Support Tools for Decontamination</b>									
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>	
10.2.1	<b>STOOLS, Portable:</b> stackable or folding	4		R	R	R			
10.2.2	<b>BRUSHES, LONG HANDLE, SOFT BRISTLE:</b> Toilet type:nominal 16" long, with plastic bristles	4		R	R	R			
10.2.3	<b>BRUSHES, CAR WASH TYPE,</b> Long Handle: Soft bristled wand type brush, May come with garden hose connection to supply a flow of water at brush end.	2		R	R	R			
10.2.4	<b>TOWELS, ABSORBANT, DRYING:</b> Commercial laundry towels	8		R	R	R			
10.2.5	<b>TRAFFIC CONES,</b>	12		R	R	R			
10.2.6	<b>SOAP or DETERGENT, SOFT, Biodegradable</b>	1 Pint		R	R	R			
10.2.7	<b>CHEM-TAPE:</b> Nominal 2" wide in rolls of 50'. Similar to Duct Tape but has chemical resistant outer layer.	4 Rolls		R	R	R			
10.2.8	<b>CLOTHING REMOVAL TOOLS:</b> Such as blunt end medic shears.	1		R	R	R			

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

<b>10.3 Water Supply, Distribution Tools</b>								
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>
10.3.1	<b>ADAPTOR, 1 1/2" (or 2-1/2")</b> to Garden Hose Reducer(s)	2		R	R	R		
10.3.2	<b>MANIFOLD, 1-1/2" (or 2-1/2")</b> female fire hose to multiple garden hose outlets with separate shutoffs	1		R	R	R		
10.3.3	<b>HOSE, GARDEN: 12' TO 24'</b> Lengths	3		R	R	R		
10.3.4	<b>HOSE GARDEN, SHUT-OFF, In Line</b>	3		R	R	R		
10.3.5	<b>WRENCH, HYDRANT, UNIVERSAL</b>	1		R	R	R		
10.3.6	<b>APPLICATOR, NOZZLE, Garden Hose Adjustable</b>	2		R	R	R		
10.3.7	<b>APPLICATOR, PRESSURE, Garden Sprayer</b>	1		R	R	R		
<b>10.4 Collection</b>								
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>
10.4.1	<b>BUCKETS: Ordinary plastic, 5 gallon capacity</b>	4		R	R	R		
10.4.2	<b>BAGS, HEAVY DUTY YARD, Large</b>	Ten		R	R	R		
10.4.3	<b>DRUM, CONTAINMENT UNIT, 85 to 110 Gallon:</b> Steel or polyethylene drum with removable bolt lid, suitable for multiple uses such as debris collection in De-Con zone, containment for leaking 55 gallon drum and other secondary containment, or catch reservoir for transfer operations.	2		R	R	R		
10.4.4	<b>DRUM, LINER, 85 to 95 Gallon, heavy duty polyethylene</b>	10		R	R	R		

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

11. COMMUNICATIONS								
11.1 Radio								
INVENTORY	ITEM NAME AND DESCRIPTION	REQUIREMENT	NOTES	Type 1	Type 2	Type 3	YES	NO
11.1.1	<b>RADIO, PORTABLE, Intrinsically Safe:</b> Walkie Talkie style, with carrying case, and appropriate support hardware to be worn on person; Those assigned for use in-suit to be equipped with separate private tactical channels..	See Quantity Required on the Right		6 ea	4 ea	4 ea		
11.1.2	<b>RADIO, PORTABLE, In-Suit Communications:</b> Complete with earphone system, microphone system (i.e. built into SCBA facepiece, or throat mic, or bone mic, or ear mic, etc), remote "Push-To-Talk" switch, and necessary attachable hardware and support connector system. Designs and configurations will vary and are influenced by support systems provided by portable radio manufacturer, and manufacturer of SCBA	See Quantity Required on the Right		6 ea	4 ea	NA		
11.1.3	<b>RADIO, PORTABLE, Interchangeable battery:</b> Two batteries assigned per unit, the second set for back-up; Certified intrinsically safe.	2 for ea portable unit		R	R	R		
11.2 Cellular Phone								
INVENTORY	ITEM NAME AND DESCRIPTION	REQUIREMENT	NOTES	Type 1	Type 2	Type 3	YES	NO
11.2.1	PHONE, CELLULAR	1		R	R	R		

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

12. RESPIRATORY PROTECTION								
12.1 SCBA and Supplied Air								
INVENTORY	ITEM NAME AND DESCRIPTION	REQUIREMENT	NOTES	Type 1	Type 2	Type 3	YES	NO
12.1.1	<b>SCBA, COMPLETE, STRUCTURAL, 1 Hour Rating:</b> With bottle; unit must be NFPA and NIOSH certified for routine fire fighter use.	See Quantity Required on the Right		NA	6 ea	6 ea		
12.1.2	<b>SCBA, COMPLETE, WMD CBRN, 1 Hour Rating:</b> With bottle; unit must be NFPA structural fire fighting compliant and NIOSH certified for WMD CBRN threat atmospheres	See Quantity Required on the Right		8 ea	NA	NA		
12.1.3	<b>BOTTLE, Spare:</b> Extra replacement air bottle of same type, and size	1 for each SCBA		R	R	R		
12.1.4	<b>SUPPORT, UMBILICAL AIR:</b> Air from outside source (cascade system or portable air cart) supplied to wearer via umbilical hose system and manifold; Manifold to supply low pressure source to four users;	System to accommodate four users, 150' low pressure air hose each		R	NA	NA		
12.2 Air Purifying Respirators								
INVENTORY	ITEM NAME AND DESCRIPTION	REQUIREMENT	NOTES	Type 1	Type 2	Type 3	YES	NO
12.2.1	<b>MASK and UNIT, APR, CBRN:</b> Full facepiece, single or dual cartridge style, speaking diaphragm, for use in industrial chemical threat atmospheres AND CBRN atmospheres.	20 each		R	NA	NA		
12.2.2	<b>CARTRIDGES, APR or PAPP, INDUSTRIAL:</b> Cartridges certified only for industrial chemical threat atmospheres; Cartridges to be multi-gas and organic vapor protective, with solid particulate and liquid aerosol protection	20 each		R	NA	NA		
12.2.3	<b>CARTRIDGES, APR or PAPP, CBRN:</b> Cartridges are certified for WMD CBRN threat atmospheres	20 each		R	NA	NA		

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

<b>13. TOOLS/OTHER</b>									
<b>13.1 General Purpose, Hand Tools, Large</b>									
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>	
13.1.1	<b>SHOVEL, Steel:</b>	2		R	R	R			
13.1.2	<b>SHOVEL, Polypropylene plastic or equal:</b>	2		R	R	R			
13.1.3	<b>BROOM, Street, Stiff Polypropylene Bristle, with handle</b>	1		R	R	R			
13.1.4	<b>HAMMER, Sledge ( 7-10 lbs)</b>	1		R	R	R			
13.1.5	<b>BAR, WRECKING 36" or &gt;</b>	1		R	R	R			
13.1.6	<b>COOLER, Rehydration:</b> Industrial quality five to 10 gallon capacity with spigot, carrying handle. Some come with a cup dispenser, 5 – 20 gallon	1		R	R	R			
13.1.7	<b>MEGAPHONE</b>	1		R	R	R			
13.1.8	<b>FIRST AID KIT</b> - May be from other unit on scene	1		R	R	R			
13.1.9	<b>MEDICAL MONITORING, Kit:</b> For both Pre- and Post-entry to monitor baseline vitals; Includes stethoscope, aneroid gage sphygmomanometer, thermometer unit, and scale; Should include forms for documentation.	1 Kit		R	R	R			
13.1.10	<b>ZONE MARKING, Kit:</b> Contains all tools necessary to help set up and identify various hazardous work zones; Barrier tape – 1000 feet rolls, yellow marked "CAUTION – DO NOT ENTER" or equal, and 1000 feet rolls, red marked; DANGER – HAZARDOUS CHEMICAL" or equal;	1		R	R	R			
13.1.11	<b>SCOPE, Spotting:</b> Includes binoculars; Adjustable telephoto spotting scope or binoculars with adjustable focus.	1		R	R	R			

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

<b>13.2 General Purpose, Hand Tools, Small</b>									
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>	
13.2.1	<b>HAMMER</b>	1		R	R	R			
13.2.2	<b>SCREWDRIVER, Flat, Kit</b>	1 Kit of 3 Different		R	R	R			
13.2.3	<b>SCREWDRIVER, PHILLIPS, Kit</b>	1 Kit of 3 Different		R	R	R			
13.2.4	<b>PLIERS, COMBINATION, Kit</b>	1 Kit of 3 Different		R	R	R			
13.2.6	<b>PLIERS, LOCKING, Vice Grip Type, Kit</b>	1 Kit of 3 Different		R	R	R			
13.2.7	<b>WRENCH, ALLEN, Complete Set, English (~9 piece)</b>	1 Kit		R	R	R			
13.2.8	<b>WRENCH, ALLEN, Complete Set, Metric (~9 piece)</b>	1 Kit		R	R	R			
13.2.9	<b>WRENCH, CRESCENT, Adjustable, Kit</b>	1 Kit of 2		R	R	R			
13.2.10	<b>WRENCH, PIPE, Adjustable Kit</b>	1 Kit of 2		R	R	R			
13.2.11	<b>WRENCH, UNIVERSAL, Bung Cap</b>	1		R	R	R			
13.2.12	<b>WRENCH, COMBINATION, Ordinary Kit</b>	1 Kit of 10		R	R	R			
13.2.13	<b>CHISEL, COLD, Standard or Hex</b>	1 Chisel		R	R	R			
13.2.14	<b>PUNCH, PIN, Spring Loaded</b>	1		R	R	R			
13.2.15	<b>KNIFE, PUTTY, Scrapping</b>	1		R	R	R			
13.2.16	<b>KNIFE, GENERAL UTILITY, Cutting</b>	1		R	R	R			
13.2.17	<b>SHEARS, Cutting</b>	1		R	R	R			
13.2.18	<b>STRAPS, RACHET, Tie-down</b>	2		R	R	R			

**Ohio Hazardous Materials and WMD - Technical Advisory Committee  
Hazmat Team Typing - Required Equipment List (v1.2)**

<b>13.3 Special Purpose Tools</b>								
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>
13.3.1	<b>GROUNDING, CABLE:</b> Insulated or non-insulated 3/16" or better carbon steel, 25 feet minimum, equipped with either "C" clamp / screw bolt or 3/4" pin point hand clamps.	Set of 3		R	R	R		
13.3.2	<b>GROUNDING, ROD</b>	1		R	R	R		
13.3.3	<b>VESTS, I.C.S.,</b> Haz-Mat Group: For all of the positions within the HM Group	1 Set		R	R	R		
13.3.4	<b>NON-SPARKING, Hammer, Sledge:</b> 7 to 10 lbs	1		R	R	R		
13.3.5	<b>NON-SPARKING, Hammer, Claw:</b> 20 to 24 oz	1		R	R	R		
13.3.6	<b>NON-SPARKING, SCREWDRIVER, FLAT,</b> Kit	1 kit of 3		R	R	R		
13.3.7	<b>NON-SPARKING, SCREWDRIVER, PHILLIPS,</b> Kit	1 kit of 3		R	R	R		
13.3.8	<b>NON-SPARKING, PLIERS, ORDINARY,</b> Utility	1		R	R	R		
13.3.9	<b>NON-SPARKING, PLIERS, WIRE,</b> Side Cutting	1		R	R	R		
13.3.10	<b>NON-SPARKING, PLIERS, LONG-NOSE,</b> Needle	1		R	R	R		
13.3.11	<b>NON-SPARKING, WRENCH, BUNG,</b> Universal	1		R	R	R		
13.3.12	<b>NON-SPARKING, WRENCH, CRESCENT,</b> Adjustable, Kit	1 Kit of 2		R	R	R		
13.3.13	<b>NON-SPARKING, WRENCH, PIPE,</b> Adjustable Kit	1 Kit of 2		R	R	R		
13.3.14	<b>NON-SPARKING, KNIFE, PUTTY,</b> Scrapping	1		R	R	R		
13.3.15	<b>NON-SPARKING, SHEARS,</b> Cutting	1		R	R	R		
13.3.16	<b>REFRIGERATOR, UTILITY,</b> Small	1		R	R	NA		
13.3.17	<b>PERSONAL ACCOUNTABILITY SYSTEM</b>	1		R	R	R		
<b>14. PERSONNEL</b>								
<b>14.1 Number and Training Level of Personnel</b>								
<b>INVENTORY</b>	<b>ITEM NAME AND DESCRIPTION</b>	<b>REQUIREMENT</b>	<b>NOTES</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>YES</b>	<b>NO</b>
14.1	<b>PERSONNEL, NUMBER,</b> The hazmat team shall consist of sufficient trained personnel so as to insure a response of the minimum number of personnel as shown for each team type to each incident.	See Quantity Required on the Right		20	15	10		
14.2	<b>PERSONNEL, TRAINING,</b> Hazmat Team members shall have completed training equal to the OSHA Hazardous Materials Technician Course (AWR-6 hrs, OPS-16 hrs, TECH-36 Hrs, Total 58 hrs)			NA	15	10		
14.3	<b>PERSONNEL, TRAINING,</b> Hazmat Team members shall have completed training equal to the OSHA Hazardous Materials Technician Course (AWR-6 hrs, OPS-16 hrs, TECH-36 Hrs, Total 58 hrs) AND have completed 24 hrs of WMD Tech Training (Center for Domestic Preparedness, Anniston, AL or equivalent)			20	NA	NA		

As adopted by the SERC August 13, 2008