

# OSFM Example

## Pre Burn Plan

*The contents of this document are intended to serve only as an example of proper documentation recommended when conducting live fire training and therefore does not intentionally represent any one department or event. In some cases multiple examples may be shown to provide a comprehensive offering for illustration purposes. In this vein, separate training events may be represented in an effort to provide diversity.*

*OSFM does not recognize or recommend a certain style or layout regarding pre-burn plans. Rather, the emphasis should be that all elements are included in the burn plan. Individual instructors are encouraged to lay out their respective plan in such a manner as to best facilitate the training taking place while providing for the most effective organization of the documentation. It is important to note: depending on the circumstances of a certain event, additional information not reflected in this example may be required.*

*Questions or concerns, please contact:*

*Kevin.McArthur@ncdoi.gov*

*Live Fire Qualification Coordinator*

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(Fire Organization:) \_\_\_\_\_  
Structure Release

\_\_\_\_\_ County, North Carolina

I (We), \_\_\_\_\_, being the owner of the real property located at \_\_\_\_\_, do hereby grant permission to the Chief of the \_\_\_\_\_ Fire Department to set fire to and burn the structure(s) located at the address above and described herein for the purposes of live fire training. I (We) certify that there is no insurance coverage on the described structure(s) and do hereby release all claims connected with or which may occur out of the setting fire to and burning the structure(s).

The structure will be burned down to its foundation. Any chimneys that have not come down as a result of the burn will remain as is. The located property will be released to the above owner(s) at the completion of the live fire training when all \_\_\_\_\_ Fire Department units have been cleared from the scene.

Property Description:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Owner:

\_\_\_\_\_  
Owner:

I, \_\_\_\_\_, Notary Public of said county, do hereby certify that \_\_\_\_\_ personally appeared before me this day and acknowledged the execution of the foregoing instrument.

Witness my hand and seal, this the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

My Commission Expires \_\_\_\_\_

***Remember: a comprehensive release should contain proof or a clear title, written permission from the owner, proof of insurance cancellation and a clear description of the anticipated condition of the property after the training is completed. Also, it is important to determine when and how the property is to be turned back over to the owner.***

## **Adjacent Property Notifications for Training Burn; 4108 Presbyterian Rd.**

- Community Center: Across the street from the target structure. Chief Bowers notified agency representative Jada Grisby by phone on 7/28/08. No concerns reported, no activities planned at center that day.
- Mack's Gas Station: Approximately 1/10 of a mile from the target structure. Chief Bowers notified business owner Mack Davis in person on 7/28/08. Mack's only concern was being able to remain open during the burn, which will not present an issue.
- 4110 Presbyterian Rd:  
(Private Residence) Next door to the target structure. Chief Bowers notified the property owner of the residence on 7/29/08. Due to history of acute asthma, the property owner agreed to spend the day away visiting family during the training burn.

No other adjacent properties exist.

### **Traffic and Roadways:**

Chief Bowers requested that NCDOT block the road on both sides of the target structure as the structure is not on a primary roadway. Request made 8/2/08 and denied by NCDOT.

To provide for firefighter and participant safety, two support members shall be tasked with monitoring and cautioning traffic throughout the event. These members will be dressed in PPE with traffic vests to increase visibility and located on the roadway at opposite ends of the training area.

***Remember to notify anyone that may be affected by the training burn, adjacent properties, as well as high or special population areas. (Schools, hospitals, etc.)***



**North Carolina Department of Health and Human Services**  
**Division of Public Health -Epidemiology Section**  
**Occupational and Environmental Epidemiology Branch**

1912 Mail Service Center • Raleigh, North Carolina 27699-1912 Tel  
919-707-5950 -Fax 919-870-4808

Michael F. Easley, Governor  
Dempsey Benton, Secretary

Leah Devlin, DDS, MPH  
State Health Director

June 11, 2008

Kevin Bowers  
Chief  
Alamance Fire Department  
4107 Presbyterian Road  
Greensboro NC 27406-

**SUBJECT: Demolition Notification**  
**NESHAP No. 35040**  
**Vacant Resident 4108**  
**Presbyterian Rd**

Dear Kevin Bowers:

The above-referenced Demolition Notification was received and accepted by the Health Hazards Control Unit (HHCU) on June 11, 2008. The Notification indicates the demolition, by Alamance Fire Department, will begin on June 21, 2008, and end on June 21, 2008.

Any revisions to the above Notification shall be submitted, in writing, to the HHCU within the time limits prescribed by the rules governing the HHCU program. Failure to submit timely revisions may result in the initiation of an enforcement action.

If you have any questions, please do not hesitate to call our office at (919) 707-5955.

Sincerely,

Mary Giguere

Manager

Health Hazards Control Unit



**Department of Health and Human Services  
Division of Public Health  
Health Hazards Control Unit**

**Demolition Notification**

<b>Permit #:</b> N/A	<b>Facility:</b> Residential Structure	
<b>NESHAP #:</b> 31710	<b>Location:</b>	<b>County:</b> Guilford
<b>Date Issued:</b> 11-21-2006	<b>Contact:</b> David Thorne	
	<b>Address:</b> 3709 Gerard Road Greensboro, NC 27406-	
	<b>Size:</b> 1500 SF	<b># of Floors:</b> 1
		<b>Age:</b> 30
<b>Removal Start:</b>	<b>Demolition Start:</b> 12-09-2006	<b>Days:</b> SA
<b>End:</b>	<b>End:</b> 12-09-2006	<b>Hours:</b> 8:00 AM - 6:00 PM
<b>Owner:</b>	<b>Removal Contractor:</b>	<b>Demolition Contractor:</b>
Central Rock Company		Alamance Fire Department
3957 Dulath Loop		4107 Presbyterian Road
Greensboro, NC 27406-		Greensboro, NC 27406-
Contact: David Thorne	Contact:	Contact: Kevin Bowers
Phone: (336) 674-0836	Phone:	Phone: (336) 697-0572
<b>Operator:</b>	Contact:	Phone:
<b>Transporter:</b>	<b>Transporter:</b>	<b>Landfill:</b>
Contact:	Contact:	Contact:
Phone:	Phone:	Phone:
<b>Inspector:</b>	<b>Supervising Air Monitor:</b>	<b>Designer:</b>
MICHAEL C GARRETT - #12281		
Samples Collected		
<b>Work Practices:</b> Live Burn Training		
<b>RACM:</b>		
<b>Signatory:</b> Kevin Bowers		
Alamance Fire Department	4107 Presbyterian Road	Greensboro, NC 27406-

Any revisions to this Permit/Notification must be submitted to the Health Hazards Control Unit (HHCUC). Waste Shipment Records (WSR) shall also be submitted to the HHCUC. These forms must be submitted, in writing, on a form provided or approved by the HHCUC within the time limits prescribed by the rules governing the HHCUC Program. Failure to submit these forms may result in the initiation of enforcement actions.

*Mary T. Giguere*  
Mary T. Giguere, CIH  
Health Hazards Control Unit  
NCDHHS - Division of Public Health  
1912 Mail Service Center Raleigh, NC 27699-1912  
Phone: (919) 707-5950 Fax: (919) 870-4808

REMOVAL PERMITS MUST BE POSTED FOR THE DURATION OF THE PROJECT

**Alamance Community  
Fire Department  
Station 54 and 44**

4107 Presbyterian Rd.  
Greensboro NC, 27406

November 16, 2006

This is to certify that the asbestos has been removed from the house located at 3709 Girard Rd. The house is being used for live fire training by the Alamance Community Fire Department

Signature of owner: \_\_\_\_\_

Signature of notary: \_\_\_\_\_

NORTH CAROLINA DIVISION OF AIR QUALITY

FIREFIGHTER TRAINING NOTIFICATION

This form is to be used to provide prior notification of open burning for the training of firefighting personnel in accordance with 15A NCAC 2D .1903(b)(11). This notification must be submitted to the Division of Air Quality at least 10 days prior to commencement of the burn. Submittal of form DHHS3768 to the Health Hazards Control Unit (HHCU) [see directions page 2] must be submitted, and a NESHAP number assigned (from HHCU) prior to mailing or faxing this completed form to the appropriate Division of Air Quality (DAQ) Regional Office. Fire departments in counties with local environmental control programs should contact their local agency listed on page 2. It is not necessary to submit page 2 with this notification. Additional forms and information are available on the Internet at: http://www.daq.state.nc.us/enf/openburn.

Fire Dept.: \_\_\_\_\_ Location of Training Exercise (address, city, county, etc.): \_\_\_\_\_
Complete Mailing Address: \_\_\_\_\_
City, State: \_\_\_\_\_
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ County: \_\_\_\_\_
Cell Phone: \_\_\_\_\_ Email: \_\_\_\_\_

DAQ cannot approve burning a previously demolished structure or salvageable items for firefighter training. Motor vehicles may be burned over a period of time by a training unit or by several related training units. Describe the nature and the amount of materials to be burned. If a structure is to be burned, state construction type, number of rooms, floor area, etcetera.

Description: \_\_\_\_\_

State training objectives: \_\_\_\_\_

Beginning date(s) and time(s) of training exercise: \_\_\_\_\_

Ending date: \_\_\_\_\_ Alternate date(s) and time(s): \_\_\_\_\_

Any deviations from the dates and times of exercises, including additions, postponements, and deletions, submitted in the schedule in the approved plan shall be communicated verbally to the regional office [air quality] supervisor of the appropriate regional office at least one hour before the burn is scheduled.

Remember, following one agency's regulations does not guarantee compliance with another.

A person who is accredited as a North Carolina Asbestos Inspector must inspect structures. All burned structures must be free of asbestos. All asbestos containing building materials must be properly removed before the live fire training exercise. Further, notification form DHHS3768 must be completed and submitted by mail only (no faxes) to the Division of Public Health, Health Hazards Control Unit (HHCU), even if no asbestos was identified in most structures, at least 10 working days prior to the burn date(s). For further information on the required asbestos inspection and notification form DHHS3768, please contact the HHCU at (919) 707-5950. Fire departments in counties with local environmental control programs should contact their local agency listed on page 2 of this notification.

NESHAP number (assigned by HHCU): Required prior to burn \_\_\_\_\_

Has the structure been inspected for asbestos containing materials? Yes No Does the structure have any asbestos containing materials present? Yes No If yes, describe the materials and the removal procedures: \_\_\_\_\_

I certify by my signature the information submitted on this notification to be true and accurate to the best of my knowledge:

Name (Print): \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

\*\* DAQ USE ONLY \*\* Regional Air Quality Supervisor: \_\_\_\_\_ Date: \_\_\_\_\_
(Revised 07/09/2008)



**NORTH CAROLINA DIVISION OF AIR QUALITY  
FIREFIGHTER TRAINING NOTIFICATION**

**General Information**

**\*\*\* It is not necessary to submit this page (page 2) with your notification. \*\*\***

Rule 15A NCAC 2D .1903(b)(11) allows open burning for instructing and training of firefighting personnel that does not qualify for coverage under 15A NCAC 2D .1903(b)(9) and (10). Burning is permissible only as a fire training exercise with the fire department present during the burning.

Permission shall not be given for the burning of salvageable items, such as insulated wire and electric motors, or for the primary purpose of disposal of synthetic materials or refuse by fire. Permission shall not be given to burn previously demolished structures. A "bulldozed" pile of rubble is not a legitimate source of fire training, and permission shall not be granted to burn such material. If a structure cannot be entered and fire set, extinguished, and reset multiple times, then the fire training value is questionable.

The burden of demonstrating that any proposed burning exercise is legitimate training, and is therefore permissible, lies with the **certified live burn instructor and fire department**. If the appropriate regional air quality supervisor believes the training is not the primary goal of the exercise, he/she may deny permission to burn.

**Fire training open burning is prohibited** on code orange, red, or purple days in the counties that are in the air quality forecast areas. The Division recommends no burning throughout the rest of the state on code orange, red, or purple days. The Division will issue daily air quality forecasts for the following day from May through September for specific regions/counties of the state. To hear forecasts, dial 1-888-RU4NCAIR (1-888-784-6224). The forecasts and the affected counties are also available on the Internet at: <http://www.daq.state.nc.us/Ozone/>. You may also contact your Division of Air Quality Regional Office for forecasts or more information.

**Asbestos**

Before a structure is burned, the asbestos requirements of 40 CFR 61.145 and any other applicable asbestos requirements in 40 CFR Part 61, Subpart M must be met. Asbestos information may be obtained by contacting the Health Hazards Control Unit at their physical address: **NC DHHS, Division of Public Health, Health Hazards Control Unit, 5505 Six Forks Road, 2<sup>nd</sup> Floor, Raleigh, NC 27609**, or by their mailing address, **1912 Mail Service Center, Raleigh, NC 27699-1912**, or by phone/fax at P:(919) 707-5950, F:(919) 870-4808 for requirements. **Either the owner of the structure(s) or the fire department must obtain and file notification form DHHS3768 and document properly the structure(s) to be burned is/are asbestos free or not covered under the asbestos rules.**

Under 40 CFR 61.145(c)(10), if a facility is demolished by intentional burning, all regulated asbestos-containing materials (RACM), including Category I and Category II nonfriable asbestos-containing material **must be removed according to the NESHAP regulations prior to burning**. Furthermore, intentional burning of a facility constitutes demolition; therefore, proper notification must be completed and submitted to the Health Hazards Control Unit.

**Regional Offices**

Completed Notification of Open Burning for the Training of Firefighting Personnel forms must be mailed or faxed to the appropriate Division of Air Quality, regional supervisor at the following locations. If you do not know the regional office that serves your location, please contact the office nearest you for clarification:

**Asheville Regional Office**  
2090 US Hwy 70  
Swannanoa, NC 28778  
Phone: (828) 296-4500  
Fax: (828) 299-7043

**Fayetteville Regional Office**  
Systel Building  
225 Green Street, Suite 714  
Fayetteville, NC 28301  
Phone: (910) 433-3300  
Fax: (910) 485-7467

**Mooresville Regional Office**  
610 East Center Ave., Suite 301  
 Mooresville, NC 28115  
 Phone: (704) 663-1699  
 Fax: (704) 663-7579

**Raleigh Regional Office**  
3800 Barrett Drive  
Raleigh, NC 27609  
Phone: (919) 791-4200  
Fax: (919) 571-4718

**Washington Regional Office**  
943 Washington Square Mall  
Washington, NC 27889  
Phone: (252) 948-6481  
Fax: (252) 975-3716

**Wilmington Regional Office**  
127 Cardinal Drive Extension  
Wilmington, NC 28405  
Phone: (910) 796-7215  
Fax: (910) 350-2004

**Winston-Salem Regional Office**  
585 Waughtown Street  
Winston-Salem, NC 27107  
Phone: (336) 771-5000  
Fax: (336) 771-4632

**Local Environmental Programs**

**Buncombe County**  
Western NC Regional  
Air Quality Agency  
49 Mount Carmel Road  
Asheville, NC 28806  
Phone: (828) 255-5655  
Fax: (828) 255-5226

**Forsyth County**  
Environmental Affairs Department  
537 N. Spruce Street  
Winston-Salem, NC 27101  
Phone: (336) 703-2440  
Fax: (336) 703-2456

**Mecklenburg County**  
Dept. of Environmental Protection  
700 N. Tryon Street, Suite 205  
Charlotte, NC 28202  
Phone: (704) 336-5500  
Fax: (704) 336-4391

Division of Air Quality Web Page: [www.ncair.org](http://www.ncair.org)

ASBESTOS PERMIT APPLICATION AND NOTIFICATION  
 FOR DEMOLITION/RENOVATION

	Permit Number	NESHA# ID Number
1. TYPE: <input checked="" type="checkbox"/> Demo; <input type="checkbox"/> Ordered Demo; <input type="checkbox"/> Nonscheduled Asbestos Removal; <input type="checkbox"/> Asbestos Removal; <input type="checkbox"/> Emergency Asbestos Removal		
2. IS ASBESTOS PRESENT? <input type="checkbox"/> Yes; <input checked="" type="checkbox"/> No		
3. FACILITY INFORMATION (Identify owner, asbestos removal contractor, demo contractor, air monitor, designer)		
OWNER NAME: <u>Alamance Community Fire Dept</u>		
Address: <u>4107 Presbyterian RD</u>		
City: <u>Greensboro</u>	State: <u>N.C.</u>	Zip: <u>27406</u>
Contact: <u>Kevin Bowers</u>	Contact Phone: <u>336-697-0572</u>	
OPERATOR NAME (IF OTHER THAN OWNER):		
Address:		
City:	State:	Zip:
Contact:	Contact Phone:	
ASBESTOS REMOVAL CONTRACTOR:		
Address:		
City:	State:	Zip:
Contact:	Contact Phone:	
DEMOLITION CONTRACTOR: <u>Alamance Community Fire Dept</u>		
Address: <u>4107 Presbyterian RD</u>		
City: <u>Greensboro</u>	State: <u>N.C.</u>	Zip: <u>27406</u>
Contact: <u>Chief Kevin Bowers</u>	Contact Phone: <u>336-697-0572</u>	
SUPERVISING AIR MONITOR (If Required):		NC Accreditation Number:
ABATEMENT DESIGNER (If Required):		NC Accreditation Number:
4. FACILITY DESCRIPTION (Include building name, number and floor or room number)		
Bldg. Name: <u>Residential structure</u>	Facility Contact:	
Street Address: <u>4108 Presbyterian RD</u>		
City: <u>Greensboro</u>	State: <u>NC</u>	Zip: <u>27406</u>
Asbestos Removal Site Location:		County: <u>Guilford</u>
Building Size: <u>1,700</u>	# of Floors: <u>2</u>	Age in Years: <u>40+</u>
Present Use: <u>Abandoned</u>	Prior Use: <u>Residence</u>	
5. SCHEDULED DATES: NONSCHEDULED ASBESTOS REMOVAL (MM/DD/YY)		Start: _____ Complete: _____
6. SCHEDULED DATES: ASBESTOS REMOVAL (MM/DD/YY)		Start: _____ Complete: _____
7. SCHEDULED DATES: DEMOLITION (MM/DD/YY)		Start: <u>6-21-08</u> Complete: <u>6-21-08</u>
WORK SCHEDULE (Circle days applicable): Mon Tue Wed Thu Fri <u>Sat</u> Sun   WORK HOURS: <u>7:00 AM</u> <u>6:00 PM</u>		
**FOR GOVERNMENTAL AGENCY USE ONLY**		
POSTMARK DATE: _____		REGION/COUNTY/CONTRACTOR/LANDFILL: _____
APPROVING SIGNATURE: _____		DATE: _____



# Chain of Custody

## Asbestos Lab Services

EMSL Analytical, Inc.

706 Gralin Street  
Kemersville, NC 27284

Phone: (336) 992-1025

Please print all information legibly.

f\ 7 fAr\*\ ^

Company:	Bill To:
Address!:	Address 1:
Address!:	Address!:
City, State:	City, State:
Zip/Post Code:	Zip/Post Code:
Country:	Country:
Contact Name:	Attn:
Phone:	Phone:
Fax:	Fax:
Email:	Email:
EMSL Rep:	P.O. Number:
Project Name/Number: ^>4p,'S<-l Hdi^~e ^ \	

MATRIX			TURNAROUND			
P Air	P Soil	Micro- Vac	3 Hours	6 Hours	Same Day or 12 Hours*	24 Hours (1 day)
P Bulk	Drinking Water		P 48 Hours (2 days)	P 72 Hours (3 days)	6 Hours (4 days)	20 Hours (5 days)
P Wipe	P Wastewater		D 144+ hours (6-10 days)			

TEM AIR, 3 hours, 6 hours, Please call ahead to schedule. There is a premium charge for 3-hour tat, please call 1-800-220-3675 for price prior to sending samples. You will be asked to sign an authorization form for this service.

\*12 hours (must arrive by 11:00a.m. Mon -Fri.), Please Refer to Price Quote

**PCM - Air**

P NIOSH 9002:

H NIOSH 7400(A) Issue 2: August 1994

P EMSL Standard Addition:

P OSHA w/TWA Cl

SEM Air or Bulk

Other:

P Qualitative P Quantitative

TEM Microvac/Wipe

**PLM - Bulk**

**P ASTM D 5755-95 (quantative method)**

'X EPA600/R-93/116

P EPA Point Count

P NY Stratified Point Count

P PLM NOB (Gravimetric) NYS 198.1

Attn:  
 Fax:  
 Project: **Sta 4 House**

Phone:

Customer ID: GUIL52  
 Customer PO:  
 Received: EMSL 09/11/06 11:15 AM  
 Order: 020605257  
 EMSL Proj:  
 Analysis Date: 9/15/2006  
 Report Date: 9/15/2006

**Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized**

**Light Microscopy**

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
04-001 020605257-0001	Back Bathroom	Pink/Tan/Gray Fibrous Heterogeneous	1% Cellulose Sheet Flooring	69% Non-fibrous (other)	30% Chrysotile
04-001A 020605257-00074	Back Bathroom	Yellow/Tan Non-Fibrous Heterogeneous	<1% Cellulose Mastic	100% Non-fibrous (other)	<1% Chrysotile
04-002 020605257-0002	Inside Walls	Gray/Brown/Cream Fibrous Heterogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
04-003 020605257-0003	Bedroom Ceilings	Brown/Tan Fibrous Heterogeneous	97% Cellulose	3% Non-fibrous (other)	None Detected
04-004 020605257-0004	Front Bathroom	Beige/Tan Fibrous Homogeneous	30% Cellulose 1% Glass Sheet Flooring	69% Non-fibrous (other)	None Detected
04-004A 020605257-0004A	Front Bathroom	Gold Non-Fibrous Homogeneous	<1% Cellulose Mastic	100% Non-fibrous (other)	None Detected
04-005 020605257-0005	Kitchen Bar	Tan/Brown Fibrous Heterogeneous	70% Cellulose Counter Top	30% Non-fibrous (other)	None Detected

## **Live Fire Training Objectives and Policies:**

All aspects of this training event will follow NFPA 1403 and the NC Fire & Rescue Commission's policies concerning live fire training. The purpose of the planned exercise is to conduct thermal imaging training in conjunction with interior fire attack instruction. To best facilitate this, the instructors will provide realistic fires with the intent of attacking only after the fire room has reached flashover. To assist with fire propagation, in accordance with NC Fire & Rescue Commission policies, class 'B' fuels will be utilized in a pre-application capacity in order to complete as many evolutions feasible while maintaining the realism of the training environment.

One LFQ instructor will be paired with an apprentice instructor to provide for the safety of both instructors while facilitating the apprentice instructor's learning environment. Once the fire is set, both instructors will act as interior safety officers while the crews perform their evolutions led by other officers and instructors.

As the roof of the structure consists of two separate areas, two ventilation openings have been placed in the roof, one in each respective area. Additionally, the gable ends of the attic area have been removed on sides 'B', 'C', and 'D' to provide better visibility and control of the attic area. This is in accordance with NC Fire & Rescue Commission's policies concerning roof ventilation during live fire training in an acquired structure.

There are no exposure concerns associated with the target structure.

EMS standby shall be provided throughout the exercise by County EMS Per county policy, notification was made at least 15 days prior to the training event to ensure securing a manned ALS unit for the burn.

***While not required, listing the objectives of the training only serves to show the proactive and professional nature with which the event is planned and executed.***

## Hazard Mitigation:

### Exterior Hazard:

Brush and debris around structure  
Landscape timbers on side 'A' trip hazard  
Storage building 30' from structure  
Roof area intact  
No steps at entry door on side 'A'.  
No windows on side 'B' of structure  
Screens on several windows  
Gutters on side 'A' porch and side 'B'  
Gas line and meter on side 'D' next to house  
Septic field in yard on side 'C'  
Well house on side 'B'  
Yellow jacket hive on side 'D'

### Action Taken:

Removed brush and debris  
Removed timbers  
Removed prior to training  
Cut 2 vent holes/removed gable end  
Built steps with railings  
Created 2 windows on side 'B'  
Removed all screens  
Removed all gutters  
Removed gas line and meter  
Taped off area  
Taped off area  
Destroyed hive

### Interior Hazards:

Wall paneling missing due to previous training in structure  
Weak floor in kitchen due to water damage  
Large void space leading into attic area  
Carpet in two bedrooms and living room  
Water heater in kitchen area  
Furniture left in structure  
Debris inside structure

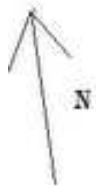
### Action Taken:

Patched affected areas with OSB board  
Reinforced with OSB board  
Blocked off with OSB board  
Removed all carpet from structure  
Removed water heater  
Removed all furniture  
Removed all debris

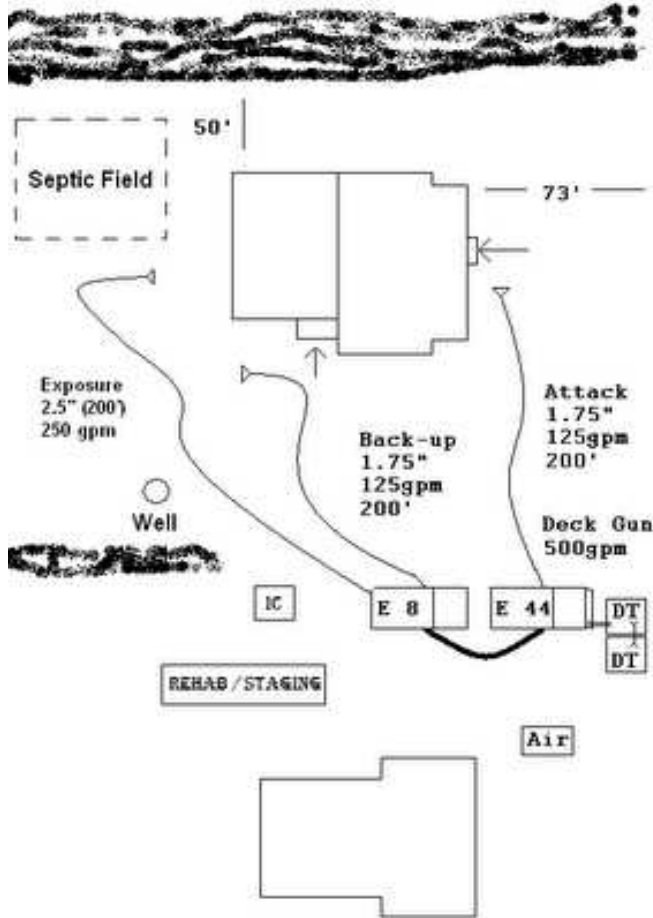
***A comprehensive mitigation page shows good faith on the part of the agency and instructors conducting the burn to make the scene as safe as possible for live fire training.***



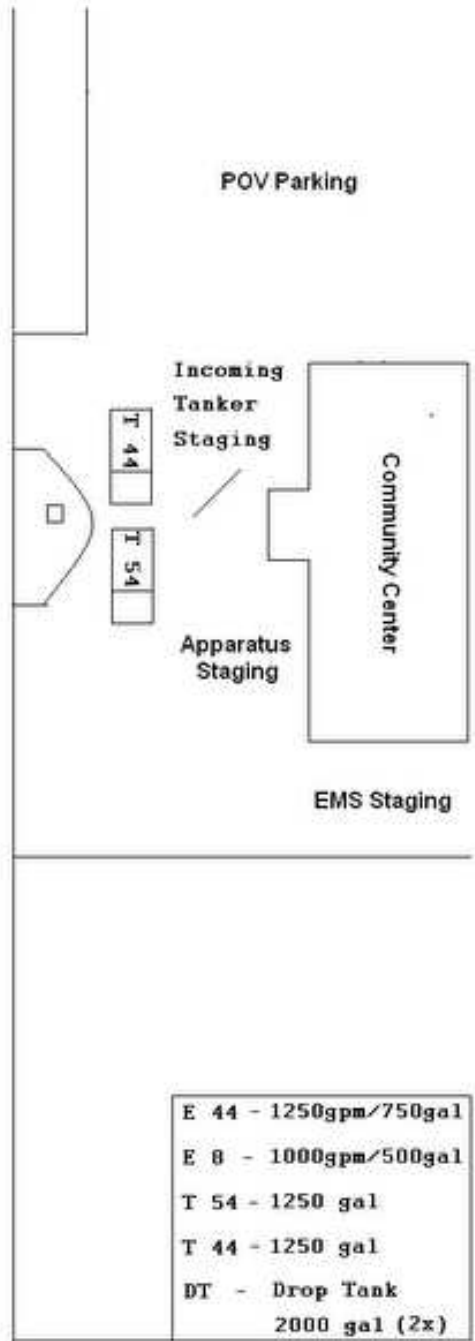
# Fireground Layout



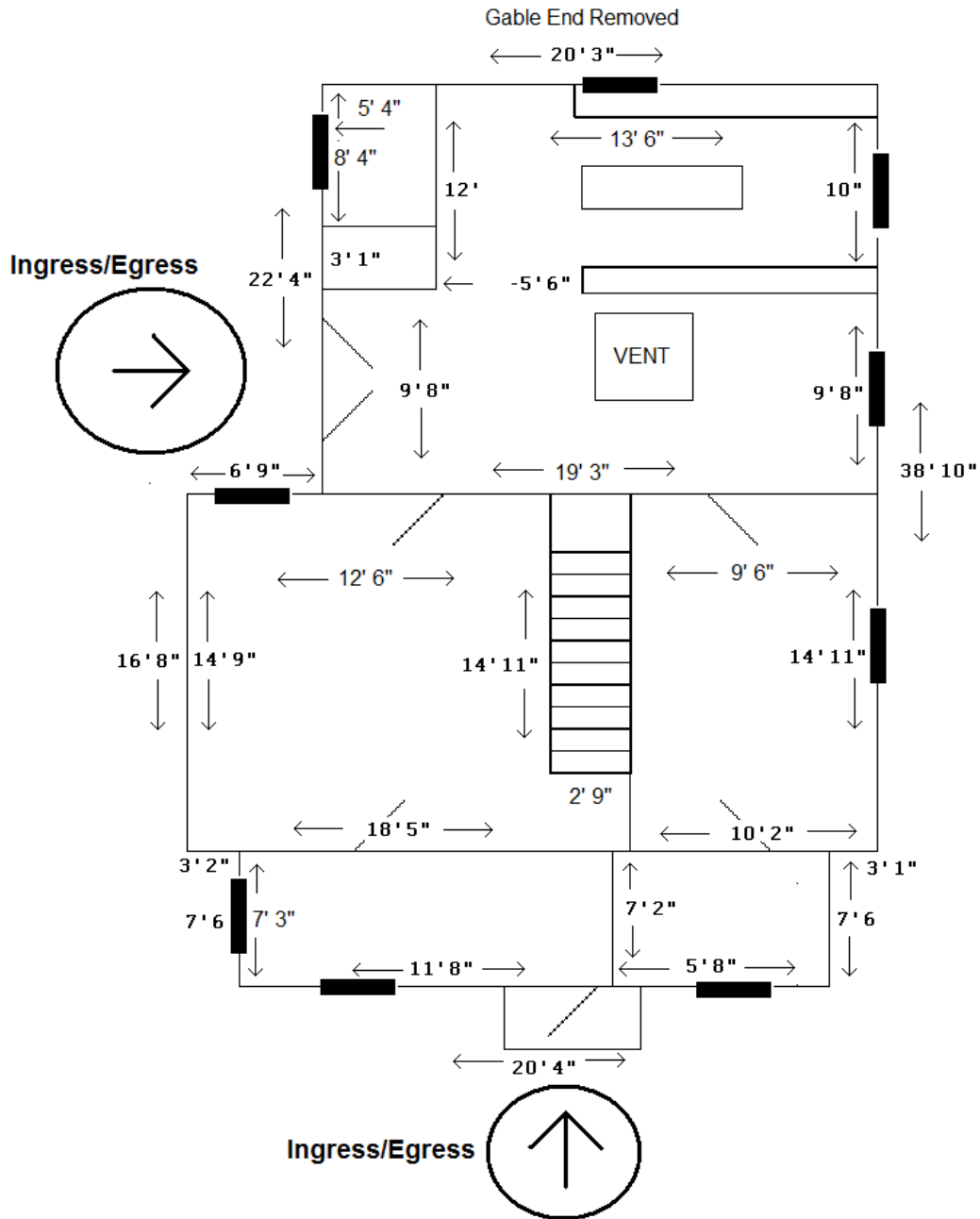
NOT TO SCALE



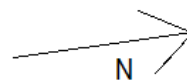
Maple St.



# First Floor

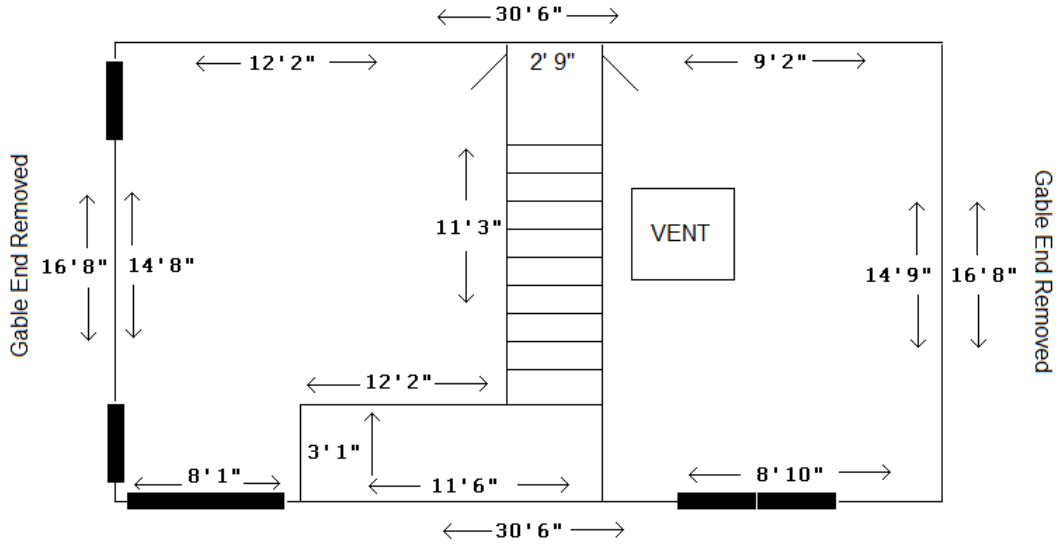


Not to Scale

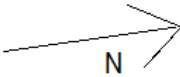




# Second Floor



Not to Scale



## Crew Assignments:

IC:

Apparatus Operators:

Safety:

Instructors:

Apprentice Instructors:

Crew 1:

Crew 2:

Crew 3:

Crew 4:

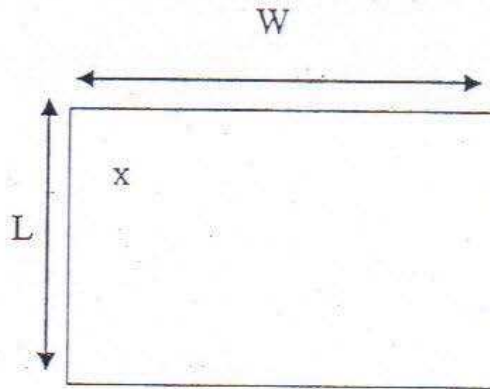
***There are many methods to monitor crews and maintain accountability. The key is to make sure that it happens!***

# Water Supply Calculation Sheet

NFPA 1142 (1231)  
NFPA 1403

Square Footage : L x W \_\_\_\_\_

Cubic Footage: footage sq. x height  
(remember attic) \_\_\_\_\_



Occupancy Hazard Class \_\_\_\_\_

roof pitch(height) \_\_\_\_\_

Construction Class # \_\_\_\_\_

Exposure Information \_\_\_\_\_

Total Cubic Ft. \_\_\_\_\_

\_\_\_\_\_ x Construction Class # x Exposure Factor = Minimum Water Supply \_\_\_\_\_

Occupancy Hazard Class \_\_\_\_\_

NFPA 1231 (table 5-9(c))

Total Water Supply Required (gallons)	Rate Water Is Available to Fireground and Fire Department's Capability for Using Water (gal/m)	GPM= _____ Total Minutes= _____
up to 2499	250	
2500 to 9999	500	
10,000 to 19,999	750	
20,000 or more	1000	

Add 50% reserve for NFPA 1403 \_\_\_\_\_

Total minimum gallons needed \_\_\_\_\_

**A weather report can be printed from the internet or handwritten.**

Make this my home page      Local weather in 1-click | Put weather on my desktop      Customi:

Localweather

Maps | Video | World | Mobile | Alerts

weather.com/outdoors

Home   Weather News   Travel   Driving & Traffic   Healthy Living   Home & Family   **Sports & Recreation**   Climate & Green

Sports & Recreation: Outdoors & Fishing > Outdoors Forecast > **HOURLY-BY-HOURLY WEATHER for Greensboro, NC (27406)**

Yesterday	Today	Tomorrow	Radar Map	<b>Hour-by-Hour</b>	Weekend	10-Day	Month
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Severe storms forecast | Look back at severe weather of spring

**Hour-by-Hour Forecast for**  
Greensboro, NC (27406)  
[ English | Metric ]

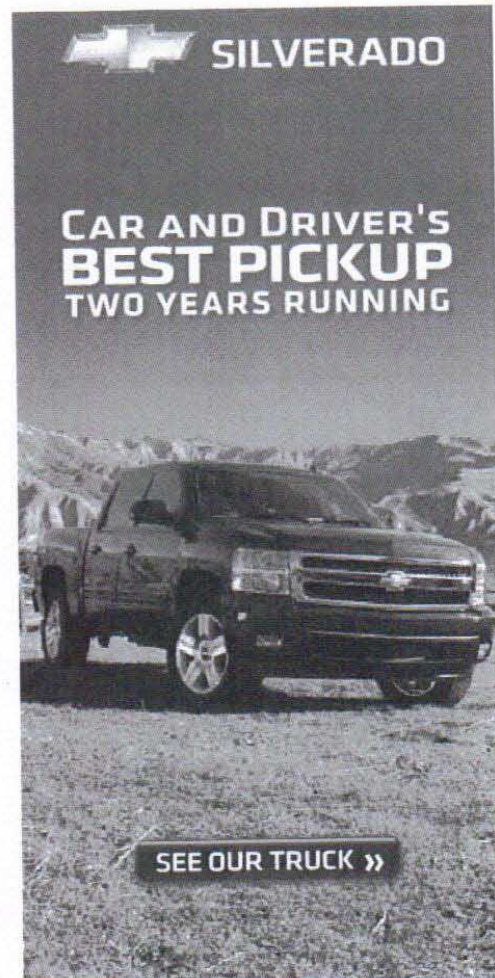
Weather for your life

Outdoor Recreation

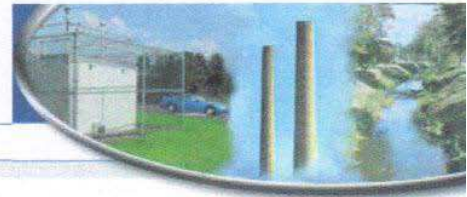
Table Display   Graph Display

Sat, June 21

Time	Condition	Feels Like	Chance Precip	Dew Point	Humid.	Wind
6am	Few Showers <b>66°F</b>	66°F	30%	62°F	87%	From WSW 4 mph
Sunrise 6:03 am				Read about National Parks		
Morning Commute				Outdoors Message Board		
7am	Showers <b>67°F</b>	67°F	40%	62°F	84%	From W 5 mph
8am	Showers <b>69°F</b>	69°F	40%	62°F	78%	From WNW 5 mph
9am	Showers <b>71°F</b>	71°F	40%	61°F	71%	From NNW 5 mph
10am	Showers <b>73°F</b>	73°F	50%	61°F	66%	From NNE 6 mph
11am	Showers <b>75°F</b>	75°F	50%	61°F	62%	From ENE 6 mph
12pm	Showers <b>76°F</b>	78°F	50%	62°F	62%	From E 6 mph







Home Residents Visitors Online Services Search

Wednesday, February 03, 2010



## Environmental Affairs

### Triad Air Quality

- Home
- About the Department
- View A-Z Index
- Air Monitoring Data
- Air Quality Permitting
- Air Regulations "The Code"
- Asbestos
- Dry Cleaning Facilities
- Forms
- Gasoline Dispensing Facilities
- Indoor Air Quality
- Open Burning
- Pollen
- Pollution Prevention - P2
- Public Notices
- Triad Air Awareness
- Paint Stripping & Surface Coating Operations
- Water Quality Program

#### Triad Forecast:

	Particulate Matter	Ozone
02/03/10	Fine Particles 38 Good	
02/04/10	Fine Particles 35 Good	
02/05/10	Fine Particles 27 Good	
02/06/10	Fine Particles 22 Good	

#### Synopsis and Discussion

Code GREEN AQI levels are prevalent across the Triad Wednesday afternoon as steady NW winds keep the lower levels clean. Clouds will stream into the region Thursday ahead of the next storm system gathering strength in the Gulf. By Friday, heavy precipitation in nearly all forms will fall as low pressure moves NE and reforms along or just off of the coast of NC. As the storm exits the area Saturday much colder air will usher in on brisk NW winds. AQI levels will remain well within the GREEN range Thursday through Saturday as the disturbance keeps atmosphere well mixed and pollution levels low (GENTRY).

[Click here to receive a copy of the Forecast Report via e-mail each day.](#)

#### Quick Links

- COUNTY DEPARTMENT LIST**
- Adoption and Foster Care
  - Apply for a Job
  - Community Resource Guide
  - County Code
  - Court Information
  - FIRST Line
  - Geo-Data Explorer
  - NCDebt
  - Pets - Adoption
  - Pets - Lost and Found
  - Sex Offender Search
  - Tax Bill Online Services
  - Tax, Property and Deed Info.
  - Volunteer Opportunities
  - Voter Registration Search

#### Current Air Quality

***It is important to monitor air quality levels!***

# NORTHEAST GUILFORD VOLUNTEER FIRE DEPARTMENT, INC.

7B06 Jackson School Road ~ Brown Summit, NC 27H14 Phone  
(335) 656-7292 ~ Fax (336) 656-5326 - Email  
fdne32@bEllsouth.net

*To the Chief and Training officer of the Alamance Community Fire Dept*

*I Steve Apple chief of the Northeast Guilford Volunteer Fire Dept. give my consent to allow Walter Truelove (Skip) to participate in the live fire exercises you are conducting at the house on Girard Rd. that will be held on December 9, 2006. Along with this permission I ask that you please pair him with a qualified instructor, preferably Captain McArthur, or Lt. Nelson. I would also like to express my appreciation for allowing him to participate.*



**Steve M. Apple Fire Chief Northeast  
Guilford Volunteer Fire Dept.**

***A letter like the one above, or a list of participants with the respective Chief's signature will both suffice when it comes to obtaining permission from an outside agency.***

# Live Fire Training

## REGISTRATION CONFIRMATION

**Please PRINT this page for your records, you may be asked to produce it as proof of registration.**

If the Training is cancelled within 24 hours of the scheduled time contact [Kevin.McArthur@ncdoi.gov](mailto:Kevin.McArthur@ncdoi.gov)

**LEAD INSTRUCTOR NAME:** Kevin McArthur  
**LEAD INSTRUCTOR E-MAIL:** [Kevin.McArthur@ncdoi.gov](mailto:Kevin.McArthur@ncdoi.gov)  
**TRAINING DATE:** 11-11-11  
**TRAINING TIME:** 11-11  
**ADDRESS:** 1202 Mail Service Center  
**CITY:** Raleigh  
**STATE:** NC  
**ZIP:** 27699  
**LEAD INSTRUCTOR PHONE:** 919.609.4794  
**DELIVERY AGENCY NAME:** NC OSFM  
**SCHOOL DIRECTOR NAME:**  
**DELIVERY AGENCY PHONE:** 919.662.5880  
**NESHAP NUMBER:** N/A  
  
**DATE SUBMITTED:** 2/3/2010 3:00:16 PM

***Remember to register your burn at least 15 days prior to the date of the event!***

**Keep a copy of the injury form handy in case it is needed.**

### Training Injury Report Form

Date & Time: \_\_\_\_\_ OSFM Staff Recording Injury: \_\_\_\_\_

Injury reported by: \_\_\_\_\_

Type of training being conducted: \_\_\_\_\_

Date of injury: \_\_\_\_\_

Location: \_\_\_\_\_

Authority having Jurisdiction: \_\_\_\_\_

Instructor-in-charge: \_\_\_\_\_

Qualifications of Instructor-in-charge: \_\_\_\_\_

Total number of training participants: \_\_\_\_\_

Number of instructors deemed qualified: \_\_\_\_\_

**INJURED FIREFIGHTER or RESCUE PERSONNEL:**

Age: \_\_\_\_\_ Years of service: \_\_\_\_\_

Pre-injury activities at training exercise: \_\_\_\_\_

Pre-injury physical condition: \_\_\_\_\_

Detailed description of Injury: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Circle as appropriate: Paid Volunteer Combination

Classify the injury from the following categories:	Wound, Cut, Dislocation, Fracture	Smoke or gas inhalation, Respiratory distress	Fire burns, Chemical burns	Heart attack, Stroke	Thermal stress	Other
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# Firefighter Injury Questionnaire

(For fire related injury)

1. Was this class a North Carolina Fire & Rescue Commission (NCF&RC) certification class? Yes No

2. Is the instructor certified by the NCF&RC as a Firefighter I & II Instructor? Yes No

3. Is the instructor qualified by the NCF&RC as an Instructor? LP Live Fire LP & Live Fire No qualification

Other (Please specify): \_\_\_\_\_

4. Was this class taught through a NCF&RC delivery agency? Yes No

5. Was there any damage to the firefighters personal protective equipment? (Torn, ripped, melted, etc) Yes No

6. Please specify damage to the personal protective equipment, if applicable.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

7. Was the injured firefighter wearing an SCBA at the time of the incident? Yes No

8. Was a Safety Officer assigned at the time of the injury? Yes No

9. Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**North Carolina Fire and Rescue Commission  
Live Fire Training  
Audit Form**

County: Guilford Co Location: 4106 Presbyterian Rd Date: 6-21-08  
 Delivery Agency: Alamance FD Instructor's Name: Wayne Henderson

**Checklist per NFPA 1403 and the NCFRC**

Permits, Documents, Notifications, Insurance

Points to Observe	1403	Ckoff	Comments
<b>Written documentation received from owner:</b>			Prop of Alamance FD
Written permission from owner to burn structure.	4.2.5	✓	
Proof of clear title.	4.2.4		
Certificate of insurance cancellation.	4.2.7		
Acknowledgment of post-burn property condition.	4.2.6		
Local burn permit received.	4.2.2		
Permission obtained to utilize fire hydrants.	4.2.2	N/A	Water Haul
Notification made to appropriate dispatch office including date, time, and location of burn.	4.2.2	✓	CHH
Notification made to all affected police agencies:	4.2.20	N/A	NO ROADS blocked
Received authority to block off roads.	4.2.20		
Received assistance in traffic control.	4.2.20		
Notification made to owners and users of adjacent properties of date, time, and location of burn.	4.2.19		
Liability insurance obtained covering damage to other property.	4.2.1	N/A	Prop AFD
Written evidence of prerequisite training obtained from participating students from outside agencies.	4.1.1	✓	

***Use the audit form to double-check the pre-burn plan. After all, this is the same form that OSFM staff use to conduct an audit!***

***A full version of the audit form and other live fire material can be found on the OSFM website:***

[http://www.ncdoi.com/OSFM/FireAndRescueCommission/fr\\_Live\\_Fire.asp](http://www.ncdoi.com/OSFM/FireAndRescueCommission/fr_Live_Fire.asp)

***Burn Safe!***