



# Clarks Neck Volunteer Fire Department

Pre-Incident Plan Data Sheet

County: Pitt or Beaufort

0001

Date of Inspection: Nov. 28, 2009 Committee Officer: Bryan Dixon Sr. (Fire Chief)  
 Committee Members: Gary Holland, Jim Evans, Ada Evans, Randy Jones, Mark Lilley, Parker Woolard, Bradley Lloyd, Warren Blackstock  
**Location Information**  
 Street Address: 5440 Clarks Neck Rd. Nearest Cross Street: E. St J Lane / W. Sandy Acres  
 Facility / Business Name: Clarks Neck V.F.D.

Facility Phone Number: (975-7911)

Business Owner: Clarks Neck VFD Phone Number: ( ) Mobile Number: ( )

## Operating Information and Access

Emergency contacts and titles with phone numbers:

Name: Chief Bryan Dixon Sr. Title: Fire Chief Contact Number: 943-7428

Name: Edward Lee Title: Asst. Fire Chief Contact Number: 943-5344

\* If more room is required for emergency contacts, please use the back of this form.

Operating hours: Open: \_\_\_\_\_ Closed: \_\_\_\_\_ (N/A - as called)

Primary access: Side A (front door)

Side 1 for plan purposes: Side A facing Clarks Neck Rd.

Key box: Yes ☒ No Key box location: N/A

Exterior access concerns: Yes ☒ No Locations: \_\_\_\_\_

Obstructions to aerials: ☒ Yes ☐ No Locations: Feeder powerlines at AD corner from main line located on Clarks Neck Rd across from business.

Exterior door concerns: ☒ Yes ☐ No Locations: Step at door on side C is unstable

Interior roof access: Yes ☒ No Locations: \_\_\_\_\_

## Occupancy

Overall occupancy: Firehouse/truck storage, meeting room

High fire load: Yes ☒ No Locations: \_\_\_\_\_

Life safety concerns: Compressed air bottles, vehicles parked inside, gasoline stored

Evacuation assembly plan: Yes ☒ No

Assembly point location: \_\_\_\_\_



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### Hazards

Trash and waste hazards: N/A

Incinerator or compactor inside: Yes ☒ No

Locations: \_\_\_\_\_

Incinerator or compactor chutes: Yes ☒ No

Locations: \_\_\_\_\_

Chutes sprinkled: Yes ☒ No

Outside compactors or dumpsters: Yes ☒ No Locations: \_\_\_\_\_

Compactors or dumpsters attached or exposed to the interior: Yes ☒ No

Hazardous Materials present: ☒ Yes No (Fuels)

Location of MSDS sheets: File cabinet in meeting room

Hazardous Material inventory attached: Yes ☒ No

Location for use in emergency: maintained at station

Materials reactive with air, water, or other materials present: Yes ☒ No

Type of materials: \_\_\_\_\_

Typical location: \_\_\_\_\_

Radioactive materials present: Yes ☒ No

Typical location: \_\_\_\_\_

Process hazards present: Yes ☒ No

Typical location: \_\_\_\_\_

### Construction

Number of stories: 1

Number of basements / full or partial: N/A

Length: 56' Width: 34' Height: 12' of each floor.

*\* If more room is required for clarification of each floor, please use the back of this form.*

Penthouse: Yes No ☒

Occupancy: \_\_\_\_\_

Roof covering: Tile (clay, cement, slate, etc.): ☐; Wood Shingles (treated / untreated): ☐; Metal: ☐;

Composite Shingle (asphalt): ☒; Built Up: ☐; No Roof: ☐; other: \_\_\_\_\_

Roof construction: Wood Trusses: ☒ Yes No

Floor construction: Concrete block Trusses: Yes ☒ No



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## Construction (continued)

Wall construction: Interior - wood studded / Exterior - masonry, concrete block

Construction type: Fire Resistive: ☐ Unprotected Non-Combustible: ☒ Protected Ordinary: ☐ Protected Wood Frame: ☐  
Heavy Timber: ☐ Protected Non-Combustible: ☒ Unprotected Ordinary: ☐ Unprotected Wood Frame: ☐

Combustible concealed spaces: ☒ Yes ☒ No Location: Attic

Interior fire barriers and walls: ☐ Yes ☒ No Locations: \_\_\_\_\_

Wall penetrations: ☐ Yes ☒ No Locations: \_\_\_\_\_

Openings protected by: ☒ Doors ☐ Shutters ☐ Sprinklers ☐ No protection

Interior stairs: Number: N/A Location: N/A

Obstruction to stairways: \_\_\_\_\_

Elevators: Number: N/A Location: N/A

Area served - full or partial: \_\_\_\_\_

Fire service mode: ☐ Yes ☐ No Elevator key location: \_\_\_\_\_

Elevator controls location: \_\_\_\_\_

Unprotected vertical openings: ☐ Yes ☒ No Type and Locations: \_\_\_\_\_

## Water Supply

Primary water supply: Hydrant

Test results: Location: \_\_\_\_\_ Date: \_\_\_\_\_

Static pressure: \_\_\_\_\_ Residual pressure: \_\_\_\_\_ Flow rate: \_\_\_\_\_

## Alternate supplies:

Private supply: ☐ Yes ☒ No Type: ☐ Gravity tank; ☐ Other tank; ☐ Cistern; ☐ Reservoir; ☐ Process system;

☐ Other: \_\_\_\_\_

Fire Pump: ☐ Yes ☒ No Supplied by: ☐ Public supply; ☐ Private supply

Start-up: ☐ Automatic ☐ Manual Number of pumps: \_\_\_\_\_



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## Water Supply (continued)

Location of pumps: \_\_\_\_\_

On-site hydrants: ☒ Yes ☐ No Supplied by: ☐ Public supply; ☐ Private supply

Size of outlets and threads: 1- 4 1/2" ; 2- 2 1/2"

Location of hydrants: 34' from A-D corner of structure

## Hydrant Flow Rate(s):

Red (500gpm or less) ☒ Orange (500gpm to 1000gpm) ☐ Green (1000gpm to 1500gpm) ☐ Blue (1500gpm or greater) ☐

Which system supplies what protection systems: N/A

Nearest large volume water supply (greater than 2000 GPM): Tranter's Creek at Clarks Neck Bldg / boat landing.

Needed fire flow calculations:

Largest single area: \_\_\_\_\_

## Needed Fire Flow

Building or Area	Area Measurements			Hazard Factors: Low, Moderate, High Severe			Total Flow Needed
	Length	Width	Height	Fire Load Factor	Life Hazard Factor	Exposure Factor	
							500



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## Protection System

Fire alarm system: ☐ Yes ☒ No

Locations: \_\_\_\_\_

Annunciator location: \_\_\_\_\_

Type of alarms: \_\_\_\_\_

Extent of coverage: \_\_\_\_\_

Monitored system: ☐ Yes ☒ No

Fire alarm company: \_\_\_\_\_

Phone number: \_\_\_\_\_

Detector type and power supply: Smoke: ☐; Heat: ☐; Battery: ☐; Hardwire w/ Battery Backup: ☐

Carbon Monoxide: ☐; Combination: ☐; Plug In: ☐; Plug In w/ Battery Backup: ☐

Sprinkler system: ☐ Yes ☒ No

Location of the FDC: N/A

Size of FDC threads: \_\_\_\_\_

Type of system: Wet Pipe: ☐; Dry Chemical System: ☐; Halogen System: ☐; Class K System: ☐;

Dry Pipe: ☐; Foam System: ☐; CO2 System: ☐; Standpipes: ☐

Extent of coverage – full or partial: \_\_\_\_\_

Areas protected (if partial): \_\_\_\_\_

Location of main valve: \_\_\_\_\_

Location of sectional valves: \_\_\_\_\_

System coverage plan at valves: ☐ Yes ☐ No

Standpipe and inside hoses: ☐ Yes ☒ No

Combined with sprinkler system: ☐ Yes ☐ No

FDC same as for sprinkler system: ☐ Yes ☐ No

Location of FDC: \_\_\_\_\_

Size of FDC threads: \_\_\_\_\_

Type of standpipes: \_\_\_\_\_

Extent of coverage – full or partial: \_\_\_\_\_

Outlet locations: \_\_\_\_\_

Outlet size and type: \_\_\_\_\_



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## Protection System (continued)

Special protection systems: \_\_\_ Yes ☒ No

Type of systems: \_\_\_\_\_

Locations: \_\_\_\_\_

Extent of coverage – full or partial: \_\_\_\_\_

## Utilities

Y/N	Service	Shutoff location Building 1	Y/N	Building 2
Y	Natural Gas	Side D at C-D corner	N	
Y	LP-Gas	74' from C-D behind structure	Y	
N	Fuel Oil		N	
Y	Electric	D side, close to A-D corner	Y	
Y	Emergency Power	Generator - 6' from C side, inside unit	Y	
Y	Heating	Natural - D side inside struct.	Y	Electric
Y	Water	A/D corner at roadside	Y	C side
Y	Hot Water	A/D corner at roadside	N	
N	Steam		N	
Y	A/C and ventilation	Window unit - D side window	N	
N	Specialty gas*		N	
N	Specialty gas*		N	

\* Record type of gas

Occupant concerns for utilities: ☒ Yes \_\_\_ No (Freeze)

Responsible contact: Chief Bryan Dixon

Process concerns for utilities: \_\_\_ Yes ☒ No

Responsible contact: \_\_\_\_\_

Comments: \_\_\_\_\_



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Exposures • Structure Side Location • Number of Structure

Exposure Number	Separation (ft)	Life Hazard	Fire Load	Construction	Sprinkled	Priority (low = 5)
E.D.1	38'	Y- 3 occupants	Light	Ordinary - MH	N	
E.B.1	97'	Y- 2 occupants	Light	Ordinary - MH	N	

Other exposure concerns: LP Gasoline Tank - 74' from CD corner behind structure

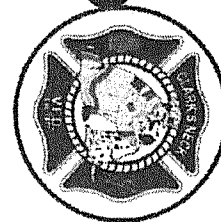
Special Resource Consideration: N/A

Confined Spaces: Yes ☒ No

Locations: \_\_\_\_\_

Remarks:

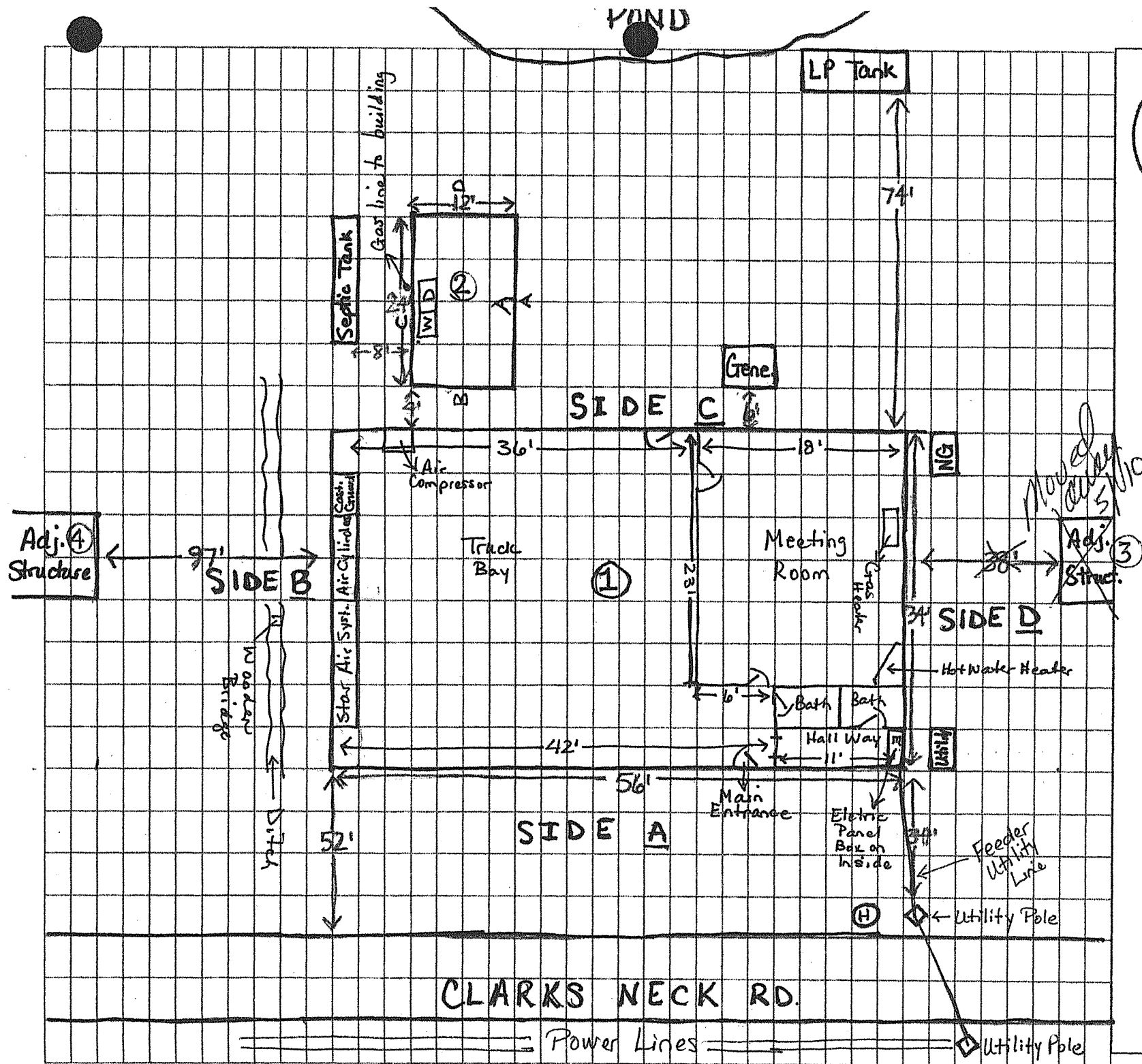
If more room is required for notes, please use the back of this form.



Address: 5440 Clarks Neck Rd.

Name: Clarks Neck V.F.D.

Pre-Plan #: 1



Structure Name Clarks Neck Fire Dept.  
Structure Address 5440 C.N. R.R.

Structure Address 5440 C.N. RQ.

[illegible]

Structure Name Clarks Neck FD.

Structure Address 5440 Clarks Neck Rd.

Length	Width	Sq Ft	Sq Root	X 18	X construction type	GPM sum 1	X Occupancy	GPM sum 2
56	34	1904	43.63	785.43	0.6	471.26	0.75	353.44

Column F
Fire Resistive 0.6
Non-combustible 0.8
Ordinary 1
Wood Frame 1.5

Column H
.75 If Mostly non-combustible contents
.85 If Limited combustibles (apartments, churches, schools, hospitals)
1.0 If Mostly combustible (restraunts, sheds, garages)
1.15 If Free burning contents (post offices, horse stables, feed mills, repair garages, ag storage)
1.25 If Rapid burning (aircraft hangers, tires, flammable liquids, wood working)

Exposure % add	Exposure add GPM	Exposure per side (75% max) Total Side A	Exposure per side 75% max Side B	Exposure per side 75% max Side C	Exposure per side 75% max Side D	Total GPM with exposures
25%	88.36	42	0	88		525.44
19%	67.15			42		
14%	49.48					
9%	31.81					
75%	265.08	Total A, B, C, D				
	MAX	172				

Column J, K, L and M
If up to 10 feet add 25% per side
If 11 to 30 feet add 19% per side
If 31 to 60 feet add 14% per side
If 61 to 100 feet add 9% per side

Round off to nearest 250 GPM for flows less than 2500 GPM, the nearest 500 GPM over 2500 GPM

Total GPM with exposures	Add 50% for each floor above ground floor	# of floors	Total to add for floors above	Sub-total with floors added	If wood shingles on roof add 500 GPM
500.00	250	0	0.00	500.00	0 500.00

**FIRE FLOW NEEDED**  
**GPM**  
**500.00**