

3.2.4.4 Industrial Facilities



YOUR ORGANIZATION
STANDARD OPERATING PROCEDURES/GUIDELINES

TITLE: Industrial Facilities

SECTION/TOPIC: Special Facilities-Target

NUMBER: 3.2.4.4

ISSUE DATE:

REVISED DATE:

PREPARED BY:

APPROVED BY:

X

Preparer

X

Approver

These SOPs/SOGs are based on FEMA guidelines FA-197

1.0 POLICY REFERENCE

CFR
NFPA
NIMS

2.0 PURPOSE

This standard operating procedure/guideline addresses operations at industrial facilities that may involve hazardous materials, large buildings, warehouses, and dangerous machines; includes interfacing with industrial fire brigades or fire departments.

3.0 SCOPE

This SOP/SOG pertains to all personnel in this organization.

4.0 DEFINITIONS

These definitions are pertinent to this SOP/SOG.

5.0 PROCEDURES/GUIDELINES & INFORMATION

5.1 Operations at Industrial Facilities that may involve Hazardous Materials:

OFFENSIVE MODE OF OPERATION

The Engine Company on an offensive operation will be responsible for assisting in the rescue of any trapped occupants, establishment of a water supply, advancement of initial attack lines as well as backup lines, support of fire department connections and assisting the Ladder Company with overhaul after the fire is controlled. The crew of the Engine Company will operate as a team and share these duties as per their riding assignments to complete these tasks.

DEFENSIVE MODE OF OPERATIONS

The Engine Company on a defensive operation will again be responsible for assisting in the rescue of any trapped occupants, establishment of a water supply, support of fire department connections, as well as supplying the Truck Company with water for master stream operations, setting up master streams off the engine, and protection of any exposures. The crew of the Engine Company will operate as a team and share these duties as per their riding assignments to complete these tasks.

RESIDENTIAL / SMALL COMMERCIAL ASSIGNMENTS

1. DRIVER/OPERATOR

The driver/operator is responsible for supplying all hand lines or master streams with water, delivered at the proper flows. The driver/operator will supply the initial crews with tank water until the supply line is charged.

2. OFFICER

The Engine Company officer shall directly supervise the operation of the initial attack crew and direct entry and attack operations. He shall develop tactics to complete strategy developed by the I.C. The officer and crew will enter at the main entrance on the first floor and work in conjunction with the Truck Company. The Engine Company officer on his size up shall determine the size of the initial attack line to be used by using the NFA formula. The Engine Company officer shall carry a portable radio, f/e tool, hand light, and SCBA.

3. HYDRANT MAN

The hydrant man shall be responsible for the establishment of the water supply from the water source to the fire or from the fire to the water source as determined by the Engine Company officer. The supply man will charge the supply line at the direction of the operator in a forward lay. At the completion of this task he will report back to the Engine and assist with Attack 1 with setback line (if used), otherwise, join up with Attack 1 (if possible/necessary).

4. ATTACK ONE

The firefighter will be responsible for advancement of the initial attack line determined by the Engine Company officer. In cases where long stretches are needed and a setback line is required, he will be responsible for the advancement of the line called for by the engine officer, while his partner is

responsible for advancement of the setback line. The Attack 1 shall carry a portable radio, hand light, attack line, and SCBA.

5. ATTACK ONE PARTNER

The firefighter will be responsible to assist his partner in the advancement of the initial attack line that is determined by the Engine Company officer. In cases where the set back line is needed he will be responsible for the advancement of the setback line while his partner is responsible for advancement of the attack line called for by the engine officer. The Attack 1 shall carry a hand light, attack line, and SCBA.

RESIDENTIAL / SMALL COMMERCIAL

ENGINE COMPANY ASSIGNMENTS: NOTHING SHOWING OR INVESTIGATION

FIRST DUE ENGINE: Proceed into scene and investigate with Truck Co.
Engine Co. officer responsible to give accountability tags to Command (if on scene).

SECOND DUE ENGINE: Stand by at primary water supply. Engine officer and crew will remain with Engine (unless otherwise notified by Command).

THIRD DUE ENGINE: Stage outside operating area (min. 1 block away). Engine officer and crew will remain with Engine. (unless otherwise notified by Command)

ENGINE ASSIGNMENTS: SMOKE OR FIRE

FIRST DUE ENGINE: Establish water supply...advance first attack line (attack 1). Engine Co. officer must notify incoming units if they cannot accomplish above tasks. Engine Co. officer is responsible to give accountability tags to Command (if on scene).

SECOND DUE ENGINE: Establish water supply if not already complete. If water supply is complete, support hydrant assist valve...crew reports to first due Engine and pulls second attack line (attack 2). Engine officer responsible to give accountability tags to Command.

THIRD DUE ENGINE: If first and second due Engine assignments are met, then find secondary water supply and Engine will stage at that hydrant. Third due Engine crew will report to Command. Driver/Operator and 1 firefighter will remain at the Engine. Third due Engine operator is responsible to report to his/her Engine officer the location of secondary hydrant. Engine officer responsible to give tags to Command.

**** Assignments are subject to change by Command Officer****

**** If assignment of previous engine is not met, then you need to complete that assignment.****

LARGE COMMERCIAL / SINGLE & MULTI STORY ASSIGNMENTS

1. DRIVER/OPERATOR

The driver/operator is responsible for supplying all hand lines or master streams with water, delivered at the proper flows. The driver/operator will supply the initial crews with tank water until the supply line is charged. When supplying a standpipe system or sprinkler system, the operator will charge the standpipe or sprinkler connection at 150 psi. He shall add 5 lbs. psi additional per each floor in elevation based on location of operation.

2. OFFICER

The Engine Company officer shall directly supervise the operation of the initial attack crew and direct entry and attack operations. He shall develop tactics to complete strategy developed by the I.C. The officer and crew will enter at the main entrance on the first floor and work in conjunction with the Truck Company. The Engine Company officer on his size up shall determine the size of the initial attack line to be used by using the NFA formula. The Engine Company officer shall carry a portable radio, f/e tool, hand light, SCBA and appliance bag.

3. HYDRANTMAN

The supply man shall be responsible for the establishment of the water supply from the water source to the fire or from the fire to the water source as determined by the Engine Company officer. The supply man will charge the supply line at the direction of the operator in a forward lay. At the completion of this task he will report back to the Engine and assist with Attack 1 with setback line (if used), otherwise, join up with Attack 1 (if possible/necessary).

4. ATTACK ONE

The firefighter will be responsible for advancement of the initial attack line determined by the Engine Company officer. In cases where long stretches are needed and the setback line is required, he will be responsible for the advancement of the line called for by the engine officer, while his partner is responsible for advancement of the setback line. If the structure is equipped with a standpipe system, the firefighter will utilize this connection prior to advancing the attack line. The Attack 1 shall carry a portable radio, hand light, SCBA, and 2 ½ in. high rise pack.

5. ATTACK ONE PARTNER

The firefighter will be responsible to assist his partner in the advancement of the initial attack line that is determined by the Engine Company officer. In cases where the set back line is needed he will be responsible for the advancement of such while his partner is responsible for advancement of the attack line called for by the Engine officer. The Attack 1 shall carry a hand light, SCBA, and 2 ½ in high rise pack.

LARGE COMMERCIAL / SINGLE STORY STRUCTURE

ENGINE ASSIGNMENTS: NOTHING SHOWING/INVESTIGATION

FIRST DUE ENGINE: Proceed to scene and investigate with Truck Co. The Engine crew will use 2 ½ in. high rise packs. Engine Co. officer gives accountability tags to Command (if on scene)

SECOND DUE ENGINE: : Stand by at primary water supply. The Engine Co. officer and crew will report to Command with 2 ½ in. high rise packs (possible attack 2). Engine Co. officer gives accountability tags to Command (if on scene).

THIRD DUE ENGINE: Stage with second due Engine (possible hydrant assist assignment). The Engine Co. officer and crew will report to Command with 2 ½ in. high rise packs. . Engine Co. officer gives accountability tags to Command (if on scene).

ENGINE ASSIGNMENTS: SMOKE/WORKING FIRE

FIRST DUE ENGINE: Establish water supply. Engine officer and crew will establish set back line (or attack line) to fire area. Engine Co. officer gives accountability tags to Command (if on scene).

SECOND DUE ENGINE: Responsible for FD connections. The Engine Co. officer and crew will report to Command with 2 ½ in. high rise packs. If first due assignments are not completed, this crew will become attack 1 and need to connect to setback line. Engine Co. officer gives accountability tags to Command (if on scene).

THIRD DUE ENGINE: Find and stand by at secondary water supply. Engine Co. officer and crew report to Command for assignment with 2 ½ in. high rise packs. May be attack 2 and need to connect to setback line. Engine Co. officer gives accountability tags to Command (if on scene).

****All assignments subject to change by the Command Officer****

**** If assignment of the previous Engine is not met, then you need to complete that assignment.****

LARGE COMMERCIAL / MULTI STORY

ENGINE ASSIGNMENTS: NOTHING SHOWING/INVESTIGATION

FIRST DUE ENGINE: Proceed to scene and investigate with Truck Co. Engine Co. operator is responsible for the FD connections. Engine crew will use 2 ½ in. high rise packs. Engine Co. officer gives accountability tags to Command (if on scene).

SECOND DUE ENGINE: Stand by at primary water supply. Operator may assist first due operator with first due FD connections. Engine Co. officer and crew will report to Command with 2 ½ in. high rise packs (possible attack 2). Engine Co. officer gives accountability tags to Command (if on scene).

THIRD DUE ENGINE: Stage with second due Engine (possible hydrant assist assignment). The Engine Co. officer and crew will report to Command with 2 ½ in. high rise packs. . Engine Co. officer gives accountability tags to Command (if on scene).

ENGINE ASSIGNMENTS: SMOKE/WORKING FIRE

FIRST DUE ENGINE: Establish water supply. The Engine operator is responsible for FD connections. Engine officer (with appliance bag) and crew (with 2 ½ in. high rise packs) establish initial attack line (attack 1).

SECOND DUE ENGINE: Stand by at primary water supply. Operator may assist first due operator with first due FD Connections. Engine Co. officer and crew will report to Command with 2 ½ in. high rise packs (possible attack 2). Engine Co. officer gives accountability tags to Command (if on scene).

THIRD DUE ENGINE: Find and stand by at secondary water supply. The Engine Co. officer and crew will report to Command with 2 ½ in. high rise packs. Engine Co. officer gives accountability tags to Command (if on scene).

****All assignments subject to change by the Command Officer****

**** If assignment of the previous Engine is not met, then you need to complete that assignment.****

5.2 Large Buildings:

5.3 Warehouses:

5.4 Dangerous Machines:

5.5 Interfacing with Industrial Fire Brigades/Fire Departments: