

# ***Augusta County Emergency Services Officers Association***

*Augusta County Government Center  
P.O. Box 590 – 18 Government Center Lane  
Verona, Virginia 24482*



## ***Fire-EMS Standard Operating Guideline***

<b>Section:</b>	<b>Operations</b>
<b>Title:</b>	<b>Tanker Strike Team</b>
<b>Date:</b>	<b>SOG Committee Recommendation</b>

### **1. Purpose.**

The purpose is to provide guidance for general operations of a Tanker Strike Team. As this guide cannot be written to cover all emergency situations it can be adapted to the specific situations facing the Incident Commander (IC) and the Tanker Strike Team Leader. The Augusta County Tanker Strike Team is an emergency task specific team that is created to deliver a constant water supply in areas of the county that do not have hydrant coverage, where the hydrant system is unusable, where the hydrant system is unable to provide the needed fire flow, or as required to support other county, state or federal emergencies.

### **2. Intent.**

The intent of the Tanker Strike Team is to operate as a team to develop a water supply, deliver it to the incident, and the supply units operating on scene. While it is understood that some of these roles may be filled prior to the arrival of the Tanker Strike Team, once the Strike Team has been requested and arrives on scene, these responsibilities will be delegated to the Strike Team Leader. The tankers from the Strike Team that are currently on location will be absorbed into the Strike Team.

### **3. Organizational Structure**

#### **A. Leadership Positions.**

##### **1) *Strike Team Leader.***

- (a) The Strike Team Leader is part of the Incident Command System (ICS) NIMS recognized position as the person in charge of the Strike Team. The Strike Team Leader will receive direction from IC or the Operations Section Chief and direct the resources of the Strike Team in kind to meet the mission. *ALL* resources in the Strike Team *SHALL* recognize the

Strike Team Leader as the person in charge of the Strike Team regardless of agency affiliation. The Strike Team Leader shall design the refill system, traffic patterns and routes. He/she will also need to notify the Service Authority if the water supply is being pulled from the municipal water system.

2) *Water Supply Officer.*

- (a) The Water Supply Officer will be the person responsible for running the dump tank/nurse tanker refilling operations. The Water Supply Officer will supervise the placement and set up of the dump tanks and supply engines to ensure the safe and efficient operation of the dumping site. This officer will also ensure that adequate access is established to allow all incoming tankers to rapidly deliver their water. This officer shall communicate with the Strike Team Leader the status of the water supply and request any additional resources in order to meet the needed supply. The Water Supply Officer will be designated by the Tanker Strike Team Leader, the Operations Section Chief, or the IC if appropriate.

3) *Water Point Officer.*

- (a) The Water Point Officer will establish all refill sites for the tankers. This officer will ensure that all engines on a hydrant will fully dress the hydrant and all engines on a draft point maintain the draft. This officer will also ensure that all refill engines have set out the proper fill lines in order to maintain a constant flow of traffic to ensure a rapid turnaround for the shuttle apparatus.
- (b) Refill sites shall be predetermined by preplanning conducted by the first due agency.

B. Apparatus.

- (a) In order to become compliant with NIMS, an apparatus that has a water tank larger than 1000 gallons, a pump capacity of 250 GPM or greater, and is used to shuttle water will be designated as a Tanker. Tankers will be assigned to move water from the water point sites to the dump site(s).

C. Incident Operations.

- (a) *Supply engines.* When the IC determines that the incident requires a significant amount of water; the IC may set up a supply engine and will call for a Tanker Strike Team. The supply engine will be set up in a position to allow the incoming shuttle units to refill it without interfering with any fire ground operations. The supply engine will connect to the supply line feeding the apparatus involved in the fire ground operations. The supply engine will need at least three dump tanks to allow simultaneous filling by

at least two shuttle units. The dump tanks will be set to allow the supply engine to continue supplying the fire ground during the dumping operations.

- (b) *Refill operations.* If refilling from a static water source, the refilling engine shall have a minimum of 1250 gpm pump. The refill engine shall have a minimum of 20' of hard suction to allow for drafting procedures. The refill engine shall be set up to refill at least two tankers at the same time. The refill engine should use LDH of at least 4" to 5" for the refill lines. When the refill engine determines it is necessary to use smaller lines, two 3" lines shall be used to fill each tanker. When the refill engine is set up on a hydrant, the refill engine shall "FULLY DRESS" the hydrant. Once the refill site has been established, the Water Source Officer shall notify the Strike Team Leader. The crew from the refill engine shall connect & disconnect all fill lines to the tankers, allowing for faster refill times.
- (c) *Multiple refill points.* The Strike Team Leader will determine the requirements for multiple refill points. The Strike Team Leader shall develop a traffic plan and route to the refill point(s). This information will be communicated to the Strike Team resources when they drop their water at the fire ground. The Strike Team Leader will request the additional engine(s) to set up the additional refill site(s), and will inform the Water Point Officer. Once multiple refill sites are established, the Water Point Officer will work with the Strike Team Leader to balance the workload between the refill points.
- (d) *Multiple Task Forces.* Should the Strike Team Leader determine that additional resources are needed to meet the current mission; the Strike Team Leader shall call for the needed resources through the Operations Section Chief or IC as appropriate. Should the Strike Team Leader determine that a second full Strike Team is needed; the next closest Strike Team shall be requested.
  - i. The Tanker Strike Team Leader is responsible for ensuring the safety of all personnel involved in the Tanker operations.
  - ii. There should be a separate Safety Officer assigned to the dump site and each refill site. The Safety Officer will be responsible for ensuring that all appropriate safety measures are taken.
  - iii. All Drivers must know and understand the operating principles and procedures of this guideline. They must operate their apparatus in a safe manner by obeying all speed limits and operating with **DUE REGARD**. They shall monitor the radio frequency for instructions and if staging, listen to the Staging Area Manager for assignments.

- iv. All personnel shall wear the appropriate level of PPE as determined by the on scene conditions. At a minimum, a D.O.T. certified reflective high visibility traffic vest shall be worn.
- v. The Strike Team Leader will make every attempt to have traffic control in place along the shuttle route(s) and at all dump and refill sites. This may be done using State Police, Sheriff's Department, VDOT, State, or Local personnel and any appropriate barricades as needed.
- vi. All personnel operating in the Strike Team shall adhere to the accountability system that the IC has established. The Strike Team Leader shall establish and maintain a list of the units and personnel operating in the Strike Team and report the information to the Operations Section Chief, Logistics Section Chief, and/or the Planning Section Chief.
- vii. When necessary, all Strike Team personnel shall be prepared to don SCBA if the scene conditions deteriorate into an IDLH atmosphere.
- viii. All units operating in the shuttle operation, dump site, and refill points shall operate their emergency warning lights at all times, and additional operational lighting to conduct safe operations. Headlights will be turned off when conducting pumping operations.
- ix. Appropriate lighting shall be set up at all fill sites and the dump site to allow safe operations during night time operations.

#### **4. Dispatch and Radio Guidelines.**

- (a) The Tanker Strike Teams have been set up as Regional Strike Teams. A Tanker Strike Team has been established in the cad for automatic dispatched for large target hazards, non hydrant areas, and areas that need supplemented water supply if the need is determined by the agency. In route units may request a Tanker Strike Team based off dispatched information and updates provided by ECC. The incident commander can request Tanker Strike Team if he/she determines it is needed at any time during an incident.
- (b) Once the incident commander and/or in route units determines the need for the Tanker Strike Team they need to notify ECC and request a Tanker Strike Team. Once this request is made, ECC will dispatch the appropriate Strike Team for the area.
- (c) All Strike Team units will operate on the designated radio frequency for the tanker operations. Should any of the Strike Team units be on scene prior to the activation of the Strike Team, they will be instructed to switch over to the appropriate frequency.

- (d) Once any of the Tanker Strike Teams have been activated, the Duty Officer tones should be activated even if a Duty Officer is on location.
- (e) Should the Strike Team Leader determine that an additional tanker may be needed to assist in the shuttle operations, or that additional Strike Teams may be needed, the Strike Team Leader needs to notify the incident commander so he/she can contact ECC and have individual tankers added and/or an additional Strike Team.



# *AUGUSTA COUNTY FIRE RESCUE*

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## *Tanker Strike Teams*

### **Strike Team 1**

**Total Gallons: 12,900**

#### **North West**

Tanker 15, 3,000 gal  
Tanker 50, 1,800 gal  
Tanker 214 2,800 gal  
Tanker 209, 1,800 gal  
Tanker 65, 1,500 gal  
Tanker 45, 2,000 gal

### **Strike Team 3**

**Total Gallons: 10,100**

#### **Central West**

Tanker 65, 1,500 gal  
Tanker 45, 2,000 gal  
Tanker 147, 2,000 gal  
Tanker 50, 1,800 gal  
Tanker 214, 2,800 gal

### **Strike Team 5**

**Total Gallons: 11,600**

#### **South West**

Tanker 21, 1,800 gal  
Tanker 80, 1,500 gal  
Engine 32, 1,500 gal  
Tanker 259, 1,800 gal  
Tanker 147, 2,000 gal  
Tanker 214, 2,800 gal  
Engine 83, 1,000 gal  
Tanker 126, 1,000 gal

### **Strike Team 2**

**Total Gallons: 10,600**

#### **North East**

Tanker 50, 1,800 gal  
Tanker 209, 1,800 gal  
Engine 181, 1,250 gal  
Engine 90, 1,250 gal  
Tanker 15, 3,000 gal  
Tanker 65, 1,500 gal

### **Strike Team 4**

**Total Gallons: 10,800**

#### **Central East**

Tanker 65, 1,500 gal  
Engine 181, 1,250 gal  
Engine 90, 1,250 gal  
Tanker 119, 2,500 gal  
Tanker 76, 2,500 gal  
Tanker 209, 1,800 gal

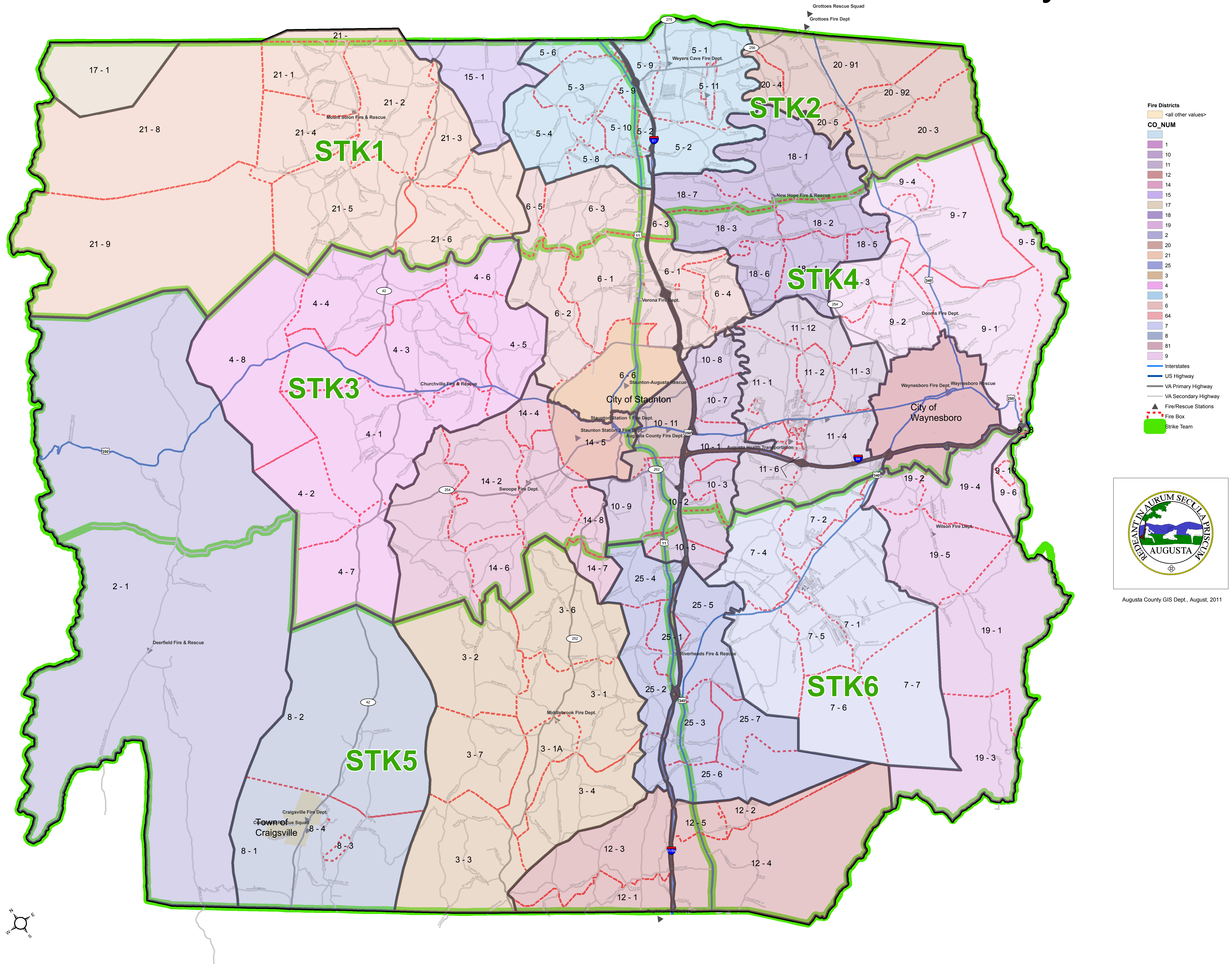
### **Strike Team 6**

**Total Gallons: 11,800**

#### **South East**

Tanker 119, 2,500 gal  
Tanker 76, 2,500 gal  
Tanker 195, 2,500 gal  
Tanker 259, 1,800 gal  
Engine 32, 1,500 gal  
Tanker 126, 1,000 gal

# Fire Boundaries 2011 with Strike Team Layer



Augusta County GIS Dept., August, 2011

