

**PHOENIX REGIONAL
STANDARD OPERATING PROCEDURES**

FOAM UNIT RESPONSE – OFF AIRPORT

M.P. 205.14

12/12-R

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The following procedure is for the dispatch and response of airport units off the airport and for Foam 34 and Foam 54 utilization.

The following units are available for response to off-airport incidents requiring large quantities of Class B extinguishing agents:

<u>Location</u>	<u>Unit</u>	<u>Water - AFFF (gal)</u>	<u>Dry Chemical (lbs)</u>
Sky Harbor	ATTACK 19 (4 Person Unit)	3,000 - (600)	500 lbs
	Foam 1 (2 Person Unit)	4,000 - (600)	500 lbs
	Foam 2 (2 Person Unit)	4,500 – (600)	500 lbs
	Foam 3 (3 Person Unit)	4,500 - (600) Halotron - 500 Lbs.	500 lbs
Station 34	Foam 34	700 (foam concentrate)	
Station 54	Foam 54	900 (foam concentrate)	

The agents carried are Aqueous Film Forming Foam (AFFF) and Super K dry chemical.

(Note: a limited quantity of Polar Solvent Type AFFF is carried on Support 4.)

It is important to remember that AFFF will not work well on free-flowing burning fuels or fuel burning under pressure. However, dry chemical agent is very effective under either of these conditions. The AFFF and potassium base dry chemical carried on these units are compatible when used simultaneously.

Circumstances that may require large volume foam and/or dry chemical equipment include:

1. Plane crash with or without fire;
2. Flammable liquid tanker accidents including spills with or without fire;
3. Railroad tanker incidents involving flammable liquids;
4. Interior fires involving petroleum products;
5. Flammable liquid bulk storage plants.

Responsibility

Fire Ground Command must immediately recognize that a major Class B or potential fire is a critical fire ground factor. Initial plan development should include large volume foam and/or dry chemical applications and should be implemented quickly with ARFF units "special called".

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First due Response Areas

Foam 34 and 54 --automatic response anywhere in the City.

Deer Valley has no chemical unit--north of Glendale Avenue.

Sky Harbor Foam unit with dry chemical capability—5 mile radius of airport and reserve units valley wide- depending on availability.

Dispatch Procedures for Units

Upon special call, the Dispatch Center will dispatch units to Deer Valley or Sky Harbor units depending on location. Foam 34 and /or 54 will be dispatched automatically to all flammable liquid incidents. Sky Harbor ARFF equipment will be dispatched off the airport within a 5 mile radius for an aircraft incident. If ARFF equipment is request from Command for any other incident it will require coordination with Sky 1 (or her/his designee) to assure that FAA Index D is maintained with the remaining foam units.

For off airport ARFF response utilizing Sky Harbor units, BC19 will be provided an ARFF Captain and Engineer from Station 19 with reserve foam trucks.

Airport Foam units are large vehicles ill-equipped for Code Three response and have poor maneuverability in city traffic. It is essential that any foam truck operator exercise great caution when driving through traffic and consider that ARFF units are not structurally designed for long road response.

Foam 34

Foam 34 will respond as a 2-piece company with an assigned engine company. The engine company will assume the identity of Foam 34 when assigned to respond with this unit.

The pumper of the engine company will be responsible for laying supply lines to be the manifold, if necessary. If available, Engine 34 will be assigned to respond with the Foam unit. When Engine 34 is not readily available, another engine company may be assigned to pick up the Foam unit. Dispatch will make this assignment.

Additional Foam

When it is apparent that additional foam concentrate will be needed, Command must coordinate through Dispatch or Resource Management on the scene for additional agent. Presently, agent is available at Sky Harbor AFFF mil spec 3% and Dry Chemical, Resource Management, Station 34 and contract vendor. This need should be identified as early as possible.