



NATIONAL WILDFIRE COORDINATING GROUP

National Interagency Fire Center
3833 S. Development Avenue
Boise, Idaho 83705

November 26, 2007

Mr. Kyle Blackman
IMS Division
FEMA
500 C. Street SW
Washington, DC 20472

Re: Engine and Water Tender Typing

Dear Mr. Blackman:

The National Wildfire Coordinating Group (NWCG) approved the Fire Equipment Working Team's proposed National Mobilization Minimum Engine and Water Tender Typing at the October 2007 NWCG Meeting. The discussion during the review of the typing focused on the two types of engines: structural and wildland.

The NWCG recognizes their experience falls within the wildland engine program area rather than structure engines. In working through the typing process, the group identified their minimum needs for structure engines and would like to submit this to the National Incident Management System (NIMS) group for consideration when they review and establish national structure engine typing.

The NWCG would like to partner with NIMS in the establishment of the typing for engines and tenders such that the NWCG would have the lead on the wildland engine typing and NIMS would adopt these standards, and the NIMS have the lead on the structure engine typing and the NWCG will adopt what the NIMS develops and published.

If you are supportive of this approach, please let me know at your earliest convenience. I can be reached at (602) 771-1403 or via email kirkrowdabaugh@azstatefire.org.

Sincerely,

Kirk Rowdabaugh
NWCG Chairman

Attachment
cc: NWCG Members

**National Mobilization Minimum Engine and Water Tender Typing
October 2007**

Requirements	Engine Type						
	Structure		Wildland				
	1	2	3	4	5	6	7
Tank minimum capacity (gal)	300	300	500	750	400	150	50
Pump minimum flow (gpm)	1000	500	150	50	50	50	10
@ rated pressure (psi)	150	150	250	100	100	100	100
Hose 2½"	1200	1000	-	-	-	-	-
1½"	500	500	1000	300	300	300	-
1"	-	-	500	300	300	300	200
Ladders per NFPA 1901	Yes	Yes	-	-	-	-	-
Master stream 500 gpm min.	Yes	-	-	-	-	-	-
Pump and roll	-	-	Yes	Yes	Yes	Yes	Yes
Maximum GVWR (lbs)	-	-	-	-	26,000	19,500	14,000
Personnel (min)	4	3	3	2	2	2	2

Requirements	Water Tender Type				
	Support			Tactical	
	S1	S2	S3	T1	T2
Tank capacity (gal)	4000	2500	1000	2000	1000
Pump minimum flow (gpm)	300	200	200	250	250
@ rated pressure (psi)	50	50	50	150	150
Max. refill time (minutes)	30	20	15	-	-
Pump and roll	-	-	-	Yes	Yes
Personnel (min)	1	1	1	2	2

1. All types shall meet federal, state and agency requirements for motor vehicle safety standards, including all gross vehicle weight ratings when fully loaded.
2. Type 3 engines and tactical water tenders shall be equipped with a foam proportioner system.
3. All water tenders and engine types 3 through 6 shall be able to prime and pump water from a 10 foot lift.
4. Personnel shall meet the qualification requirements of NWCG *Wildland Fire Qualification System Guide*, PMS 310-1.

Common Additional Needs – Request as Needed

All Wheel Drive (includes four wheel drive)
 High pressure pump (250 psi at one half flow of Type)
 Foam Proportioner
 Compressed Air Foam System (CAFS) 40 cfm minimum
 Additional Personnel