



**FSH 5109.34 – INTERAGENCY INCIDENT BUSINESS
MANAGEMENT HANDBOOK**

CHAPTER 20 – ACQUISITION

Interim Directive No.: NRCG 5109.34-2004-1

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Approved: KATHLEEN A. MCALLISTER FOR TIM MURPHY
ABIGAIL R. KIMBELL Chairman, NRCG
Regional Forester

Date Approved: 03/02/2004

Posting Instructions: Interim directives are numbered consecutively by Handbook number and calendar year. Post by document name at the end of the chapter. Retain this transmittal as the first page(s) of this document.

New Document(s):	id_5109.34_20	15 Pages
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Digest:

20 – Interim Direction, clarifies Equipment Inventory, clarified equipment specifications, and updates Terms and Conditions for EERAs.

Chapter 20 of the R1 NRCG Supplement to 5109.34-2004-1 - Sets out Acquisition guidelines for the Northern Rockies Geographic Area.

24.3-3 - Dozers/Skidders/Skidgines/Pumper Cat/ Grader/ Excavator – Remove: “Safety Canopy.” Replace with: “falling object protection.” Page 8 of 90, 5109.34-2003-1.

24.3-3 - Added “brush guards that protect the operator”. Page 8 of 90, 5109.34-2003-1.

24.3-3 - Clarified “No fiberglass tanks or Plastic tanks will be accepted on Skidgines.” Page 15 of 90, 5109.34-2003-1.

24.3-3 - Clarifies suggested formula for daily rates for Skidgines and Pumper cats not listed in the equipment tables. Page 19 of 20, 5109.34-2003-1.

24.3-3, Exhibit 02 - Removes the paragraph, Certification for Water Tenders which reads: “Any structural water tender not meeting the augmentation requirements on the reverse or personnel requirements shall be reclassified to a water tender classification and paid at the appropriate rate set forth in the NRCG supplement to Chapter 20 of the Interagency Incident Business Management Handbook.” Page 44 of 90, 5109.34-2003-1

24.3-3, Exhibit 03 - Corrects section 9. “Chassis Manufacturer’s GVW” to “GVWR.” Page 47 of 90, 5109.34-2003-1

24.3-3 - Remove “including any disposal fees and permits.” Replace with “Contractor is responsible for all permits. Disposal Fees will be reimbursed based on actual receipts.” Page 50 of 90, 5109.34-2003-1

24.3-3 - Added Gray water trucks will not be used for a Tender or Water Truck.” Page 50 of 90, 5109.34-2003-1.

24.3-3 - Increased Extra Engine Personnel to \$200.00 per day, if ordered through the resource process. Page 54 of 90, 5109.34-2003-1.

24.3-3 - Added @ sign to Engine Components Table to clarify gpm/psi ratings. Page 55 of 90, 5109.34-2003-1.

24.3-3 - Added Minimum and Maximum Tank Capacity to the Engine Components table to clarify Typing of Engines. Page 55 of 90, 5109.34-2003-1.

24.3-3 - Added to the minimum required engine inventory. Page 57 of 90, 5109.34-2003-1.

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Digest Continued:

24.3-3, Exhibit 07 - Updated Checklist for Engines to show additional engine inventory. Page 61 of 90, 5109.34-2003-1.

24.3-3 Exhibit 07 - Remove: "Serial No." Replace with: "Vin No". Page 61 of 90, 5109.34-2003-1.

24.3-3 Exhibit 07 - Corrects section 12. "Chassis Manufacturer's GVW" to "GVWR." Page 61 of 90, 5109.34-2003-1.

24.3-3 - Deletes size requirements for Shop Trucks in the Shop Truck Table under Class. Page 62 of 90, 5109.34-2003-1

24.3-3 - Removes diesel from Shop Truck Table under description of mechanic. Page 62 of 90, 5109.34-2003-1.

24.3 and 25.2 - Clarifies driver qualifications for All-Terrain Vehicles. Page 69 of 90, 5109.34-2003-1.

Remove: "Cell phone bills will not be paid with suppression funds unless the cell phone is requested on the Resource Order."

Replace with: "Refer to Host Agency Operating Guidelines on specific guidance on use of all cell phones. All Cell phones (and Satellite phones) should be procured through the incident agency. Use of personal or home unit cell phones will not be reimbursed." Page 70 of 90, 5109.34-2003-1.

26 – Exhibit 17 - Updates Clauses 14 (a) and Clause 18 in the NRCG Supplemental Terms and Conditions. Pages 74 and 75 of 90, 5109.34-2003-1.

26 – Exhibit 20 - Updates and Clarifies Northern Rockies Personnel Requirements for Technical specialists and Contract Equipment. Page 86 of 90, 5109.34-2003-1.

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24.3-3 - Preferred Hiring Methods

Dozers/Skidders/Skidgines/Pumper Cat/Graders/Excavators.

The following shall be provided on all equipment:

- Safety equipment including rollover protection/falling object protection and approved spark arrester or exhaust system
- All heavy equipment shall have cab protection, such as, brush guards that protect the operator

SKIDGINES

Minimum Standards for Type

SK class shall meet the S class for skidders

** No fiberglass tanks or plastic tanks will be accepted. All tanks must be certified and baffled in compliance with NFPA or American Society of Mechanical Engineers standards or other industry accepted engineering standards. Additional gallons are acceptable, but must meet all standards.

**Suggested formula for daily rates for Skidgines not listed in tables.

Use the fully operated daily rate of a **skidder** with the same Flywheel Horsepower as the skidgines and subtract the operator wages.

S4 Skidder rate = \$1,708 – 434 = \$1,274.

Using this number as a base price, add 5 percent per 100 gallons of tank capacity.

S4 unoperated rate = \$1,274 x 0.20 = \$254.80 round to \$255 (tank size)

Then add 15 percent for fittings, pump, reel, hose and certification.

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S4 unoperated rate = $\$1,274 \times 0.15 = \191.10 round to \$191 (fittings)

Add the three amounts together and add back the operator rate.

Add $\$1,274 + 255 + 191 = \$1,720$ add back operator wages of \$434 = \$2,154

Divide this number by 14 to get an hourly rate, round this number and multiply by 14 to get the fully operated daily rate. The second operational period is the hourly rate times 24 hours.

Divide by 14 hours = $\$153.83$ round too \$154 x 14 hours = \$2,156 daily rate

Multiply $\$154 \times 24$ hours = \$3,696 daily rate for two operational periods

Use the same formula for Pumper Cats but substitute dozer base rate to match Pumper Cat Flywheel Horsepower.

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24.3-3 – Exhibit 02--Continued

I certify that the above listed equipment meets the minimum typing standards for the type listed. I also certify that the above listed personnel meet all of the qualification requirements for the position(s) listed.

_____	_____
Government Representative (Signature)	Contractor Representative (Signature)
_____	_____
Name and Title (Printed)	Contractor Name (Printed)
_____	_____
Home Unit	Address
_____	_____
Phone No.	City, State
_____	_____
Date	Date

Tire Tread Depth equal to 6/32		
	FRONT AXLE	REAR AXLE
9. Chassis Manufacturer's GVWR		
10. Loaded Actual Weight (from certified scale)		

NOTE: Equipment not required by this list is carried at the contractors' own risk, compensation will not be given for additional items. List additional items on the back of this form

CONFIGURED AS ABOVE, THIS UNIT IS CLASSIFIED A TYPE _____ WILDLAND WATER TENDER.

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Gray Water Trucks. Contractor is responsible for proper removal and disposal of wastewater. Contractor is responsible for all permits. Disposal Fees will be reimbursed based on actual receipts.

GRAY WATER TRUCKS

Size	Fully Operated Daily Rate
500-1,000 gallons	\$560 + \$1.25/mile
1,000 + gallons	\$835 + \$1.25/mile

Must be equipped with partitions that reduce the shifting of the water load, must meet GVWR when fully loaded. Gray water trucks will not be used for a Tender or a Water Truck

Engines.

- Extra Engine Personnel \$200.00 per day, *must be ordered* through the resource process.

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COMPONENTS	MINIMUM STANDARDS FOR TYPE						
	1*	2*	3	4	5	6	7
Pump Capacity ** gpm @ psi	1,000 @ 150	500 @ 150	150 @ 250	50 @ 100	50 @ 100	50 @ 100	10 @ 100
Tank Capacity (Gallons) Minimum Maximum	400 None	400 None	500 None	750 None	400 750	150 400	50 200
Hose, 2½ inches (feet)	1,200	1,000					
Hose, 1½ inch (feet)	400	500	500	300	300	300	
Hose, 1 inch (feet)	-0-	-0-	500	300	300	300	200
Ladder (feet)	***48'	***48'					
Master Stream (GPM)	500						
Personnel (minimum number)	4	3	2	2	2	2	2

*Type 1 and 2 Structural Engines must also meet minimum Specifications of NFPA 1901.
 ** All pumps shall have pressure gauges that meet the minimum pump pressure rating.
 ***This includes 24' extension ladder, 14' roof ladder and 10' attic ladder for a total of 48'.

Addition to minimum required engine inventory:

- 2 adapters ¼ turn to 1½ inch NH (1 female/1 male)
- 300 feet of ¾ inch synthetic garden hose – 50 foot sections
- 1 reducer 1 inch NPSH to ¾ inch GH
- 2 Adjustable nozzles ¾ inch
- 1 Mop up wand ¾ inch receptor for hose
- 1 Gated wye ¾ inch
- 5 Inline ball valves ¾ inch

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24.3-3 - Exhibit 07

CHECKLIST FOR ENGINES

- Equipment Type _____
 Vin. No. _____
 1. Pump Capacity (gpm at psi) _____
 2. Tank Capacity (Gallons) _____
 3. Hose, 2½ inches (Feet) (Types 1 and 2) _____
 4. Hose, 1½ inches (Feet) _____
 5. Hose, 1 inch (Feet) _____
 6. Ladder (48 feet) (Types 1 and 2) _____
 7. Master Stream (GPM) (Types 1 and 2) _____
 8. Meets Personnel Standards _____
 9. Tank Baffled _____
 10. Back –up Alarm _____
 11. Minimum Complements

2 nozzles, combination fog/straight stream, 1 inch NPSH female	
2 nozzles, combination fog/straight stream, 1½ inches NH female	
20 feet minimum suction hose with strainer or screened foot valve	
2 shovels, size 0	
2 pulaskis	
1 spanner wrench, combination 1 inch to 1½ inches	
2 gated wyes, 1½ inches NH threads	
4 reducers, 1½ inches NH female to 1 inch NPSH male	
2 adapters, 1½ inches NH female to 1½ inches NPSH male	
2 adapters, 1½ inches NPSH female to 1½ inches NH male	
2 increasers, 1 inch NPSH female to 1½ inches NH male	
2 adapters ¼ turn to 1 inch NPSH (1 female/1 male)	
2 adapters ¼ turn to 1½ inches NH (1 female/1 male)	
1 double male, 1 inch NPSH threads	
1 double female, 1 inch NPSH threads	
1 double male, 1½ inches NF threads	
1 double female, 1½ inches NH threads	
1 fire hose clamp	
1 each Required 5 gallon container for drinking water	
1 each required first aid kit (5 person)	
1 each Required set of 3 reflectors	

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24.3-3 - Exhibit 07--Continued

1 each required fire extinguisher (5BC or better)	
1 each set required wheel chocks	
5-gallon minimum fuel to operate pump and engine for 12 hours	
1 each required pump for water fill or have drafting capabilities	
Tire Tread Depth equal to 6/32	
300 feet of 3/4 inch synthetic garden hose – 50 foot sections	
1 reducer 1 inch NPSH to 3/4 inch GH	
2 Adjustable nozzles 3/4 inch	
1 Mop up wand 3/4 inch receptor for hose	
1 Gated wye 3/4 inch	
5 Inline ball valves 3/4 inch	

AXLES

	Front Axle	Rear Axle
12. Chassis Manufacturer's GVWR		
13. Loaded Actual Weight (from certified scale)		

NOTE: Equipment not required by this list is carried at the contractors' own risk, compensation will not be given for additional items. List additional items on the back of this form

CONFIGURED AS ABOVE THIS UNIT IS CLASSIFIED A TYPE _____ ENGINE.

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24.3-3 - Exhibit 07--Continued

SHOP TRUCKS

Class	Fully Operated Daily Rate	Fully Operated Daily Rate Two Operational Periods	
TR 11	784	1,344	Heavy equipment mechanic with full service truck
TR 12	574	984	Automotive, light truck, small engine or chainsaw mechanic with service truck
<ul style="list-style-type: none"> • For additional mechanic, if ordered, increase daily rate by \$434 (one operational period) and \$744 (two operational periods) • Shop truck contractor is compensated at the daily rate only, and not through the repair rate charged by the government to individual contractors. • All supplies for repairs will be charged to the contractor receiving the repair work. 			

All-Terrain Vehicles (ATV).

ALL-TERRAIN VEHICLES

Class	Rate	Remarks
ATV	\$80.00 per day	Tie-downs and ramps are included in daily rate. Delivery and pick-up negotiated separately. Incident must provide operators, which meet agency certification. No 3-wheel vehicles.

USE COMMERCIAL RATES IF AVAILABLE.

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25.2 - Government Telephone Systems

Cell Phones

Refer to Host Agency Operating Guidelines on specific guidance on use of all cell phones. All Cell phones (and Satellite phones) should be procured through the incident agency. Use of personal or home unit cell phones will not be reimbursed.

26 - EERA ADMINISTRATION

- Exhibit 17 – NRCG supplemental terms and conditions to general clauses to emergency equipment rental agreement, form OF-294. Complete Exhibit will be posted on NRCG Website, so it may be attached to OF-294 in its entirety.

NRCG SUPPLEMENTAL TERMS AND CONDITIONS

CLAUSE 14(a). The applicable Service Contract Act Wage Determination referenced in Clause 95-0221 (Rev. 12) dated 12/22/2003, and is incorporated herein.

CLAUSE 18. Clauses incorporated by reference in the General Clauses to Emergency Equipment Rental Agreement Form OF-294, are deleted and replaced with the Update for Emergency Equipment Rental Agreement (EERA), Form OF-294. This update includes clause 52-213-4 Terms and Conditions—Simplified Acquisition (Other Than Commercial Items) (January 2004). The clauses that are referenced in the “ADDITIONAL TERMS AND CONDITIONS APPLICABLE IF EQUIPMENT UNDER AGREEMENT CONFORMS WITH DEFINITIONS PROVIDED BELOW.” remain in full force and effect. They include:

- 52.208-4 Vehicle Lease Payments (APR 1984)
- 52.208-5 Conditions of Lease Vehicles (APR 1984)
- 52.208-6 Marking of Lease Vehicles (APR 1984)
- 52.236-7 Permits and Responsibilities (Nov 1991)
- 52.243-1 Changes – Fixed Price (Aug 1987)

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26 – Exhibit 20

Northern Rockies Personnel Requirements for Technical Specialists and Contract Equipment

Classification	Physical fitness test	Fireline Safety Refresher (5)	Personal Protective Equipment (PPE)
Dozers, skidders, skidgines, feller bunchers, graders, excavators (1)	Light	Yes	Yes
Drivers of pickups, SUVs, sedans, cargo	No	Yes/No (2)	Yes/No (2)
Buses	No	Yes/No (2)	Yes/No (2)
Transports	No	Yes/No (2)	Yes/No (2)
Water truck (1)	No	Yes	Yes
Watertenders (6)	Light	Yes	Yes
Engines Types 1 and 2 (1) (4)	Light	Yes	Yes
Engines Type 3-7 (3)	Arduous	Yes	Yes
Shop Trucks	No	Yes	Yes
Fuel Trucks	No	Yes/No (2)	No
Ambulances	No	Yes	Yes
Fallers/Swampers	Light	Yes	Yes
Gray water	No	Yes/No (2)	Yes/No (2)
Potable water tender	No	Yes/No (2)	Yes/No (2)
Fire Crew Member (6)	Arduous	Yes	Yes
Camp Crew/Support Positions	No	Yes/No (2)	Yes/No (2)

Training providers:

www.fs.fed.us/r1/fire/nrcg/training_mou/training_providers.htm

- (1) NWCG 310-1 qualified FFT1 supervisor must accompany Position(s).
- (2) On a case-by-case basis, some situations may require PPE and the annual refresher. If not staying in camp, refer to Host Agency Operating Guidelines for requirements.
- (3) Engines are required to have a NWCG 310-1 Qualified Single Resource Boss (Engine) and one FFT2
- (4) Need to meet the requirements of NFPA 1051, Wildland Firefighter Professional Qualifications.

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- (5) Annual Fireline Safety Refresher Training is required for all personnel participating in fire suppression activities who may be subject to assignments on the fireline, for example, technical specialists, bus drivers and ground support personnel delivering resources to the fireline. The minimum requirement is four (4) hours for Contract Resources and up to eight (8) hours depending on the hiring agency for Casual employees. Refresher training shall minimally consist of fire shelter purpose and use, practice deployments, and any pertinent fire safety related topics, such as: Fire Orders and Watch-Out Situations; Look-outs, Communications, Escape Routes, and Safety Zones(LCES); Look Up, Look Down, and Look Around; and SAFENET at www.nifc.gov
- (6) NWCG 310-1 qualified FFT2