

PM000033

Revision OF4

EMERGENCY RESPONSE EQUIPMENT INSPECTION

WEEKLY

Maintenance Procedure

EFFECTIVE DATE: 12/10/01

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PRINTED NAME

APPROVED FOR USE

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INTRODUCTION

This procedure provides work steps to safely perform weekly inspection and testing of WIPP Emergency Response Equipment. Qualified Emergency Services personnel will perform documented inspections and tests. Performance of this procedure generates a RCRA record.

Implementation of this procedure generates the following RCRA records:

- Attachment 1 - Seagrave Fire Apparatus Checklist
- Attachment 2 - Emergency One Apparatus Checklist
- Attachment 3 - Brush Truck Fire Apparatus Checklist
- Attachment 4 - Underground Rescue Truck Checklist
- Attachment 5 - Hazardous Material Response Equipment Checklist

REFERENCES

- Vehicle Operation and Maintenance Manuals
- NFPA 1451, Fire Service Vehicle Operations Training Program
- NFPA 1500, Standard on Fire Department Occupational Safety and Health Program
- WP 04-AD3016, Rev. 0, Equipment Inactivation
- WP 12-FP.01, Fire Protection Program
- WP 13-1, Quality Assurance Program Description
- WIPP Hazardous Waste Facility Permit, NM 4890139088, TSDF, New Mexico Environment Department, October 27, 1999

EQUIPMENT

- Equipment keys
- Tire gauge
- Safety glasses

PRECAUTIONS AND LIMITATIONS

- All work should be performed. If a major change in PM is needed, for a particular job, then Facility Shift Manager (FSM), **OR** designee, will review and approve. Emergency Services (ES) will attach approval to field copy showing temporary change.
- Ensure vehicle bay doors are open when vehicles are running.
- When a vehicle is parked, ensure vehicle is properly chocked.

PREREQUISITE ACTIONS

- 1.0 FSM, **OR** designee, will provide training, direction, and overview to personnel performing inspections and tests. FSM, **OR** designee, ensures adequacy of inspection and test procedures for compliance to National Fire Protection Association (NFPA), Occupational Safety and Health Administration (OSHA), Department of Energy (DOE), RCRA inspection requirements, and Westinghouse TRU Solutions (WTS) requirements.
- 2.0 FSM, **OR** designee, will ensure that this procedure is followed, make procedure changes as needed, and ensures that inspection reports are reviewed and signed.
- 3.0 ES will maintain PM procedures and provide FSM or designee timely test sheets for documentation of scheduled weekly inspection and tests, and maintain documentation for review by authorized personnel.

PERFORMANCE

1.0 GENERAL WEEKLY APPARATUS INSPECTION

WARNING

If any of the following systems are found deficient, **Notify** FSM, **OR** designee, for determination on whether to take vehicle out of service and initiate an AR: inspect for cracks, erosion, salt buildup, damage, corrosion, loose or missing parts, malfunction or structural deterioration, steering and fluids, emergency warning, brake and driving lights, backup audible warning/lights, tire air/wheel, electrical, fuel and fluids, hydraulic and fluids, crankcase and fluids, coolant and fluids, drive train, and suspension.

1.1 General apparatus inspection:

NOTE

Not all apparatus have same general inspection items. Listed below are generic items common for most vehicles.

- Check fluid levels
- Check fuel tank level (refuel at 3/4 full or less)
- Check tires
- Check fan, generator and alternator belts
- Check emergency brake
- Check body condition
- Check seat belts
- Fire extinguisher(s)
- Check water tank water level on equipment with water tanks
- Check air system for leaks
- Bleed moisture from air tanks on equipment with air brakes
- Check SCBAs
- Clean apparatus
- Check hose rewind reel

- Start motor and observe oil pressure, idling speed and transmission oil level, after engine is warm

- Test drive

1.2 General electrical systems inspection:

- Check battery terminals and cables
- Emergency warning lights, signals and sirens
- Test brake, backup and turn signals
- Test headlights and switches
- Test clearance, compartment lights and switches
- Test floodlights and switches
- Test windshield wipers
- Test heater and defroster fan

2.0 SPECIFIC WEEKLY APPARATUS INSPECTION

2.1 Seagrave and Emergency One Fire Apparatus

- Cellular phone
- Pump primer and oil level
- Booster tank level
- Pump at 150 psi
- Operate all valves/check gauges
- Operate relief valve/check lights
- Check for leaks around pump
- Hose and equipment
- Operate hydraulic ladder rack
- Check generator
- Test 110 volt lights and outlets

- Check generator fuel tank (refuel at $\frac{3}{4}$ full or less)
- Check foam tank level

2.2 Brush Truck Fire Apparatus

- Winch
- Cellular phone
- Pump primer and oil level
- Booster tank level
- Run Pump
- Operate all valves/check gauges
- Operate bumper nozzles
- Check for leaks around pump
- Hose and equipment
- Odometer reading after test
- Check pump gasoline tank (refuel at $\frac{3}{4}$ full or less)

2.3 Underground Rescue Truck

- Battery charge
- Noticeable leaks
- Vehicle hour meter reading (after test)
- 500 watt halogen lamp (portable)
- Come-a-longs
- Sledge hammer
- Wrecking bar
- Bottle jacks
- Pry bars
- #4 hammer

- Socket sets
- ½" chain
- 18" crescent wrench
- Extension cords
- Nylon slings

2.4 Hazardous material response Equipment

- SPILL-X guns
- A-Acid recharge powder
- C-Caustic recharge powder
- S-Solvent recharge powder
- Absorbent sheets
- Grab and Go containers
- Pigs
- Hand pumps
- Squeegee
- Gas cylinder leak control kit
- Plastic jugs
- Plastic pails and lids
- Portable lighting unit
- Patching kit
- Scoop and shovels
- Level A and B suits
- Acid suits
- Chemical gloves
- Hand tools

3.0 RESTORATION

- 3.1 Return inspection form to FSM **OR** designee.
- 3.2 FSM, **OR** designee, reviews completed form for completeness **AND** dates form in reviewed by column. FSM, **OR** designee, may make additional comments on form.
- 3.3 FSM, **OR** designee, retains forms for filing in accordance with RCRA and ES Records Inventory and Disposition Schedule (RIDS).

4.0 RETEST

- 4.1 **IF** equipment failed inspection **OR** test, **AND** is repaired **OR** replaced, **OR** equipment has been on a run, **THEN** reinspect, **AND/OR** test equipment.

Attachment 1 - Seagrave Fire Apparatus Checklist

**SEAGRAVE FIRE APPARATUS
Weekly Check List**

<input checked="" type="checkbox"/> OK <input checked="" type="checkbox"/> Adjustment Made <input type="checkbox"/> Repairs Required RCRA Deterioration Inspection [<input type="checkbox"/>] YES [<input type="checkbox"/>] NO (Record any deficiencies and corrective actions in comments) AR Written [<input type="checkbox"/>] Yes [<input type="checkbox"/>] No AR # _____ (check or complete appropriate information)		
ITEM	Condition	Comments/Corrective Action
Oil level		
Radiator fluid level		
Automatic transmission fluid level		
Power steering fluid level		
Pump transmission fluid level		
Drain air-brake tanks		
Windshield wiper/washer fluid level		
Fan belts		
Battery (terminals, cables)		
Seat belts		
Emergency brake		
Fuel level (> ¾ full)		
Engine temperature (Degrees F)		
Oil pressure (at warm idle)		
Tachometer (rpm at warm idle)		
Radio		
Cellular phone (plugged in)		
Pre-fire plans		
E.R.G.		
Clipboard		
Vehicle lights (high/low)		
Emergency lights		
Accessory lights		
Sirens, horn, & back-up alarm		

Attachment 2 - Emergency One Apparatus Checklist

EMERGENCY ONE APPARATUS Weekly Check List		
<input checked="" type="checkbox"/> OK <input checked="" type="checkbox"/> Adjustment made <input type="checkbox"/> Repairs Required RCRA Deterioration Inspection [] YES [] NO (Record any deficiencies and corrective actions in comments) AR Written [] Yes [] No AR # _____ (check or complete appropriate information)		
ITEM	Condition	Comments/Corrective Action
Oil level		
Radiator fluid level		
Automatic transmission fluid level		
Power steering fluid level		
Brake fluid level		
Windshield wiper/washer fluid level		
Fan belts		
Battery (terminals, cables)		
Seat belts		
Emergency brake		
Fuel level (> ¾ full)		
Engine temperature (Degrees F)		
Oil pressure (at warm idle)		
Tachometer (rpm at warm idle)		
Radio		
Cellular phone (plugged in)		
Pre-fire plans		
E.R.G.		
Clipboard		
Vehicle lights (high/low)		
Emergency lights		
Accessory lights		
Sirens, horn, & back-up alarm		

Attachment 2 - Emergency One Apparatus Weekly Check List (cont.)

ITEMS	Condition	Comments/Corrective Action
Inspect SCBAs (> 4050 psi)		
Test drive: 2 wheel drive		
Test drive: 4 wheel drive		
Pump primer & oil level		
Booster tank level		
Pump at 150 psi		
Operate all valves/check gauges		
Operate relief valve/check light		
Heat pump indicator		
Leaks around pump		
Hose, nozzles, and valves		
Hand tools and equipment		
Foam (4 five gal. pails)		
Final odometer reading		
Clean (inside\outside)		
Right front tire (65-80 psi)		
Right rear outside tire (55-70 psi)		
Right rear inside tire (55-70 psi)		
Left front tire (65-80 psi)		
Left rear outside tire (55-70 psi)		
Left rear inside tire (55-70 psi)		
Inspected by: _____	_____	_____
Print Name	Signature	Time/Date
Inspected by: _____	_____	_____
Print Name	Signature	Time/Date
Reviewed by: _____	_____	_____
Print Name	Signature	Time/Date
Comments: _____		

RCRA Form

Attachment 3 - Brush Truck Fire Apparatus Checklist

BRUSH TRUCK FIRE APPARATUS Weekly Check List		
<input checked="" type="checkbox"/> OK <input checked="" type="checkbox"/> Adjustment made <input type="checkbox"/> Repairs Required RCRA Deterioration Inspection [<input type="checkbox"/>] YES [<input type="checkbox"/>] NO (Record any deficiencies and corrective actions in comments) AR Written [<input type="checkbox"/>] Yes [<input type="checkbox"/>] No AR # _____ (check or complete appropriate information)		
ITEM	Condition	Comments/Corrective Action
Oil level		
Radiator fluid level		
Automatic transmission fluid level		
Power steering fluid level		
Brake fluid level		
Windshield wiper/washer fluid level		
Fan belts		
Battery (terminals, cables)		
Seat Belts		
Emergency brake		
Fuel level (> ¾ full)		
Engine temperature (normal)		
Oil pressure (normal)		
Tachometer (rpm at warm idle)		
Radio		
Cellular phone (plugged in)		
Pre-fire plans		
E.R.G.		
Clipboard		
Vehicle lights (high/low)		
Emergency lights		
Accessory lights		
Sirens, horn, & back-up alarm		
Winch		

Attachment 3 - Brush Truck Fire Apparatus Weekly Check List (cont.)

ITEM	Condition	Comments/Corrective Action
SCBAs (> 4050 psi)		
Test drive: 2 wheel drive		
Pump gasoline tank level		
Pump oil level		
Primer		
Booster tank level		
Run pump		
Operate bumper nozzles		
Leaks around pump		
Hose, nozzles & valves		
Hand tools & equipment		
Final odometer reading		
Clean (inside/outside)		
Right front tire (65-80 psi)		
Right rear outside tire (65-80 psi)		
Right rear inside tire (65-80 psi)		
Left front tire (65-80 psi)		
Left rear outside tire (65-80 psi)		
Left rear inside tire (65-80 psi)		
Inspected by: _____	_____	_____
Print Name	Signature	Time/Date
Inspected by: _____	_____	_____
Print Name	Signature	Time/Date
Reviewed by: _____	_____	_____
Print Name	Signature	Time/Date
Comments: _____		

RCRA Form

Attachment 4 - Underground Rescue Truck Checklist

UNDERGROUND RESCUE TRUCK Weekly Check List				
<input checked="" type="checkbox"/> OK <input checked="" type="checkbox"/> Adjustment made <input type="checkbox"/> Repairs required <small>RCRA Deterioration Inspection [] YES [] NO</small> (Record any deficiencies and corrective actions in comments) AR written [] Yes [] No AR # _____ (check or complete appropriate information)				
ITEM	Condition	Min. #	Present #	Comments/Corrective Action
Engine oil level		N/A	N/A	
Fan belts		N/A	N/A	
Transmission fluid level		N/A	N/A	
Noticeable leaks (engine compart)		N/A	N/A	
Battery (terminals/cables)		N/A	N/A	
Seat belt		N/A	N/A	
Horn		N/A	N/A	
Emergency warning lights		N/A	N/A	
Vehicle lights (high/low)		N/A	N/A	
Turn signals		N/A	N/A	
Left fire extinguisher		N/A	N/A	
125# dry chem. fire ext.		N/A	N/A	
150# foam extinguisher		N/A	N/A	
Tail lights		N/A	N/A	
Stop lights		N/A	N/A	
Flashing lights		N/A	N/A	
Back up lights		N/A	N/A	
Right fire extinguisher		N/A	N/A	
SCBAs (> 4050 psi)		N/A	N/A	
Clean (dusted off)		N/A	N/A	

Attachment 4 - U/G Rescue Truck Weekly Check List (cont.)

ITEM	Condition	Min. #	Present #	Comments/Corrective Action
Body condition		N/A	N/A	
Fuel level		N/A	N/A	
Oil pressure (psi)		N/A	N/A	
Battery charge		N/A	N/A	
Hour meter reading		N/A	N/A	
Test drive		N/A	N/A	
Handling/braking		N/A	N/A	
Forward/reverse/shifting		N/A	N/A	
Portable halogen lamps		2		
Come-a-longs		2		
12# sledge hammer		1		
6' wrecking bar		1		
Bottle jacks		2		
2' pry bar		2		
5' pry bar		2		
4# hammer		1		
3/8" drive socket set		1		
1/2" drive socket set		1		
3/4" drive socket set		1		
25' of 1/2" chain		1		
Crescent wrenches		2		
100' extension cords		2		
4' nylon slings		2		
6' nylon slings		2		
10' nylon slings		2		

Attachment 4 - U/G Rescue Truck Weekly Check List (cont.)

ITEM	Condition	Min. #	Present #	Comments/Corrective Action
Right front tire (105-120 psi)		N/A	N/A	
Right rear tire (105-120 psi)		N/A	N/A	
Left rear tire (105-120 psi)		N/A	N/A	
Left front tire (105-120 psi)		N/A	N/A	
Inspected by: _____				
Print Name	Signature	Time/Date		
Inspected by: _____				
Print Name	Signature	Time/Date		
Reviewed by: _____				
Print Name	Signature	Time/Date		
Comments: _____				

RCRA Form

Attachment 5 - Hazardous Material Response Equipment Checklist

HAZARDOUS MATERIAL RESPONSE EQUIPMENT Weekly Check List			
<input checked="" type="checkbox"/> OK <input checked="" type="checkbox"/> Adjustment Made <input type="checkbox"/> Repairs Required <small>RCRA Deterioration Inspection [] YES [] NO</small> (Record any deficiencies and corrective actions in comments) AR Written [] Yes [] No AR # _____ (check or complete appropriate information)			
ITEM	Min. #	Present #	Comments/Corrective Action
SPILL-X model SC-30-A (gun)	1		
SPILL-X model XC-30-C (gun)	1		
SPILL-X model SC-30-S (gun)	1		
A-Acid, (Recharge Powder)	1		
C-Caustic, (Recharge Powder)	1		
S-Solvent, (Recharge Powder)	1		
Absorbent sheets	1		
Grab and Go container: for solvents and neutralizing absorbent;	1		
Grab and Go container: for acids/caustics;	1		
100 ft. rolled "Pig" for general liquid`	1		
100 ft. rolled "Pig" for oil	1		
Drum spreader	1		
Hand operated pump - chemical transfer	1		
Hand operated pump - petroleum transfer	1		
Floor squeegee, non-wood handle	1		
Gas cylinder leak control kit; Class A	1		
5-gallon plastic pail with lids	3		
Portable lighting unit	1		
1-gallon plastic jugs	4		
Patching kit, Series A	1		

Attachment 5 - Hazardous Material Response Equipment Weekly Check List (cont.)

ITEM	Min. #	Present #	Comments/Corrective Action
Scoop, metal	1		
Shovel, plastic	3		
Fully encapsulated Level A suits	4		
Level B suits	4		
Acid suits, green	4		
Inner-cloth gloves	12 pair		
Outer-pvc gloves	12 pair		
Outer-viton gloves	5 pair		
L. adjustable pipe wrench	1		
Multi-opening bung wrench	1		
Hammer/crate opener	1		
Pipe pliers	1		
Phillips screwdriver	1		
#2 screwdriver	1		
Standard blade screwdriver	1		
Claw hammer	1		
Right front tire (35-50 psi)	N/A	N/A	
Right rear tire (35-50 psi)	N/A	N/A	
Left rear tire (35-50 psi)	N/A	N/A	
Left front tire (35-50 psi)	N/A	N/A	
Inspected by: _____			
Print Name	Signature	Time/Date	
Inspected by: _____			
Print Name	Signature	Time/Date	
Reviewed by: _____			
Print Name	Signature	Time/Date	
Comments: _____			

RCRA Form