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	STANDARD: **OSHA 29 CFR 1910.1200 / ISO 22241**	AUDIT FREQUENCY: **Monthly Audit**

Diesel Exhaust Fluid Def Handling Compliance Checklist

Operational Scope: This compliance checklist establishes the operational requirements for safely storing, dispensing, and managing Diesel Exhaust Fluid (DEF) within fleet maintenance facilities. The objective is to mitigate chemical exposure hazards, prevent fluid contamination, and ensure adherence to ISO 22241 purity standards.

MANDATORY PPE:	Safety Glasses with Side Shields (ANSI Z87.1), Chemical-Resistant Nitrile Gloves, Long-Sleeved Work Uniform / Lab Coat, Steel-Toe Safety Boots (ASTM F2413), Emergency Eyewash Station Access
PREREQUISITES:	Verify that the DEF storage area is well-ventilated and protected from direct sunlight and extreme temperatures. | Confirm that dedicated dispensing equipment (pumps, hoses, nozzles) is free of cross-contamination from diesel, oil, or coolant.

STORAGE, CONTAINMENT, AND MATERIAL INTEGRITY

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Storage Tank / Tote Material**	Tanks and containers are constructed of approved materials (high-density polyethylene, stainless steel) and free of reactive metals like carbon steel or aluminum.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
2	**Secondary Containment Systems**	Secondary containment pallets or basins are clean, structurally sound, and capable of holding 110% of the primary container volume.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
3	**Temperature and Environment Control**	Storage area maintains ambient temperatures between 12°F (-11°C) and 86°F (30°C) to prevent fluid degradation or crystallization.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**
4	**Labeling and SDS Availability**	All DEF containers are clearly labeled in accordance with GHS standards, and current Safety Data Sheets (SDS) are accessible within 50 feet.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**

DISPENSING EQUIPMENT AND PURITY CONTROL

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
5	**Dedicated Dispensing Hardware**	Pumps, hoses, nozzles, and couplers are exclusively dedicated to DEF use and color-coded to prevent cross-contamination.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
6	**Nozzle and Cap Cleanliness**	Dispensing nozzles and fill caps are free of dust, crystallization, dried residue, and environmental debris prior to vehicle connection.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**
7	**Filtration and Venting**	Storage tank vents are fitted with 1-micron particulate and chemical filters to block airborne contaminants and moisture.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**

SPILL RESPONSE AND EMERGENCY PREPAREDNESS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
8	**Spill Response Kit Inventory**	A dedicated DEF spill kit (neutralizing absorbent, non-metallic brooms, disposal bags) is fully stocked and unobstructed.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
9	**Emergency Eyewash Station Operation**	Eyewash station is flushed weekly, certified operational, and unobstructed within a 10-second travel path.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
10	**Personal Protective Equipment (PPE) Station**	Required PPE (gloves, eye protection) is stocked in clean condition adjacent to the dispensing zone.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**

Certified Inspector / Lead Operator Signature: _____	**Date / Time:** _____	**Badge / Cert #:** _____
Site Safety Supervisor / Operations Manager Sign-off: _____	**Review Date:** _____	**Audit Status:** [ ] Approved [ ] Rectify

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