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	STANDARD: **OSHA 29 CFR 1910.1200, ISO 22241, NIOSH Chemical Safety Guidelines**	AUDIT FREQUENCY: **Monthly Audit**

Diesel Exhaust Fluid Def Handling Safety Audit Checklist

Operational Scope: This audit checklist defines the operational verification standards for diesel exhaust fluid (DEF) storage, dispensing, and spill response in fleet maintenance facilities. The objective is to mitigate chemical exposure risks, prevent environmental contamination, and ensure full compliance with hazardous communication standards.

MANDATORY PPE:	Chemical Splash Goggles (ANSI Z87.1), Nitrile or Neoprene Chemical-Resistant Gloves, Chemical-Resistant Apron, Steel-Toe Safety Footwear (ASTM F2413), Emergency Eyewash Station (ANSI Z358.1 compliant)
PREREQUISITES:	Verify current Safety Data Sheet (SDS) for DEF is accessible within 50 feet of the storage area. | Inspect general ventilation systems in indoor bulk storage bays to ensure adequate air exchange. | Confirm emergency eyewash and shower stations are unobstructed and tested prior to audit commencement.

STORAGE INTEGRITY AND BULK CONTAINMENT

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Bulk Storage Tanks and Totes**	Tanks and Intermediate Bulk Containers (IBCs) are constructed of approved materials (polyethylene or stainless steel), free of structural cracks, leaks, or bulging.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
2	**Secondary Containment Besser**	Secondary containment pallets or basins have a minimum 110% capacity of the largest single container and are free of standing water, debris, or chemical residues.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
3	**Temperature and Environment Control**	DEF storage area maintains a temperature range between 12°F (-11°C) and 86°F (30°C) to prevent degradation or crystallization.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**

DISPENSING EQUIPMENT AND MATERIAL COMPATIBILITY

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
4	**Pumps, Hoses, and Nozzles**	Dispensing pumps, hoses, and nozzles are dedicated exclusively to DEF use, constructed of compatible non-reactive metals/plastics, and show no signs of external weeping.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
5	**Contamination Prevention**	Nozzles and fill ports feature clean dust caps and protective covers to prevent ingress of dust, fuel, oil, or water which can ruin SCR catalyst systems.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
6	**Automated Shut-off Functionality**	Auto-shutoff mechanisms on dispensing nozzles operate correctly to prevent overfill and potential localized slippery floor hazards.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**

HAZARD COMMUNICATION AND SPILL RESPONSE PREPAREDNESS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
7	**Labeling and GHS Compliance**	All transfer containers, tanks, and secondary bottles are clearly labeled in accordance with OSHA GHS standards identifying contents and basic health hazards.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
8	**Spill Kit Readiness**	A dedicated DEF/chemical spill kit (containing neutralizer, absorbent pads, and disposal bags) is fully stocked, inspected, and positioned within 30 feet of handling areas.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
9	**Eyewash Station Certification**	Emergency eyewash station is flushed weekly, inspected monthly, and tagged with an up-to-date inspection record.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
10	**Floor Conditions and Drainage**	Handling floors are clean, slip-resistant, and free of dried crystallized urea buildup or pooling liquids that could create slipping hazards.	**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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