

SULFUR RAILCAR UNLOADING CHECKLIST
EHSS – PHOS PROGRAM – RAILROADS, Appendix H1

Railcar Number	Date Unloaded	
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Place your initials in YES or NO columns when more than one loader. (Any NO means DO Not Ship)

PRE-UNLOADING: Secure Track and Inbound LOADED Tank Car Inspection	Acceptable?	
Per 49 CFR 173.31(d),(g) and BOE Pamphlet 34. Loader initials for this section →		
Car Preparation: (check YES or NO column after loader initials are entered)	YES	NO
DERAIL/TRACK SWITCH set? (BEFORE getting on top of a railcar)		
BLUE FLAG SIGN set? (BEFORE getting on top of a railcar)		
WHEELS CHOCKED? (Is Tank Car Properly chocked?)		
HANDBRAKE set?		
Tank disconnected from SHUTTLEWAGON?		
Verify Tank is for MOLTEN SULFUR service. MOLTEN SULFUR stenciled on both sides?		
Stenciling for TANK QUALIFICATION, TEST AND INSPECTIONS clearly marked on car?		
TANK QUALIFICATION, TEST and INSPECTION DUE DATES are ALL CURRENT?		
Inspect car for INTEGRITY, VISIBLE DAMAGE or LEAKAGE? (Checks done, then YES) Check bottom outlet valve, downleg and cap for Corrosion, Sulfur buildup, loose or missing parts		
Inspect TANK SHELL and ENDS for obvious abrasions, corrosion, cracks, dents, defects (If any defects BAD ORDER the car) (Checks done, then YES)		
Is the car defect free? (No DEFECT/BAD ORDER card present)		
4 Orange Panels number 2448 are legible (unfaded) in place? One per side and one per end.		
DOUBLE SHELVE COUPLERS on both ends? (DSC in place on both A and B end?)		
SAFETY APPLIANCES (Equipment) free of defects? NO Missing or Loose Bolts or Nuts? Ladders, Running Board Grating, Handrails, Platforms, Steps, in good order?		
Evacuation fan and pipe has been cleaned and is properly ventilating?		
Fall Protection in Place?		
Tank Car exterior is clean? No excessive Sulfur spillage over the tank exterior or safety appliances?		
POST-UNLOADING: Outbound EMPTY (RESIDUE) Tank Car Inspection	YES	NO
Bolts that fasten bottom outlet downleg to the valve are tight and in good condition? (Inspect and then YES)		
Bottom Outlet Valve (BOV) Handle in CLOSED position and handle secured with pin inserted?		
Bottom Outlet Valve (BOV) is closed and valve cap tighten with 36-inch wrench?		
Bottom Outlet Valve (BOV) cap chain attached? Plug on the BOV cap is tool tight?		
Loading Dome (Manway Cover) gasket in good condition? (Inspect and then YES)		
Inspect Manway Cover Bolts, are they in good condition? All bolt nuts must be same type HEX or SQUARE		
Safety Eyebolt Collar Style (1 required); Pin or Wedge Style (2 req.) near handle and engages with dome lid		
Rupture disc in good condition? Top side of Rupture Disc checked, and it is not blown (Inspect and then YES)		
Rupture disc assembly cover pin in place? If disc has a threaded cap reapply and then YES		
Manway bolts tighten a first time/pass in cross pattern sequence with impact wrench?		
Manway bolts tighten a second time/pass using the same cross/star pattern		
Check by hand that all dome bolts are tight		
Unloading platform access raised and secured with chain?		
Photos of BOV handle, pin and cap, and manway (dome)		
Is car ready for shipment? If car was BAD ORDER document the reason		
Remarks:		
Car Unloader 1: Print Name	Signature	
Car Unloader 2: Print Name	Signature	