	SMITH CONSTRUCTION, INC. Safety Management System		Doc No:	SCI-S004
			Initial Issue Date	02/11/2025
			Revision Date:	7/31/2025
VACTOR PAD CLEANING			Revision No.	1
			Next Review Date:	02/11/2026
Preparation: Safety Mgr	Authority: President	Issuing Dept: Safety	Page:	Page 1 of 3

Purpose

The purpose of this procedure is to define the requirements for safely and efficiently performing the Vactor Pad Cleaning at Valero Ardmore Refinery.

Scope

This policy details the Risks, PPE, Equipment, Key Responsibilities, instruction for Cleaning the Vactor Pad. When performing vacuum truck operations inside Valero Ardmore Refinery, activities must be performed in accordance with SHG E-31 "Vacuum Truck Operation Safety & Health Guidelines".

Risks

- Splash and Exposure to product or vapors.
- Slips and strains when washing and moving equipment
- Burns when using the hotwash
- Hose blowouts
- damage to equipment while setting up or breaking down

PPE

- Basic PPE
- Face Shield

Equipment


- Hot Washer
- Vacuum Truck
- Vactor
- Bin Truck
- Skid Steer

Supervisors

- Shall ensure that this policy is followed and properly executed by trained personnel.

Employees

- Shall follow all aspects of this procedure.

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Process

Pre-Work & Set-Up

1) Conduct Equipment Pre-Trip


- Check wind direction and place vent hose accordingly and set cone at the discharge end of the vent hose.
- Ensure the ground has been secured and the green light indicator is illuminated.
- Place chalk block under rear truck tires.
- Ensure are clear of other personnel down wind.

- 2) **Clean debris off the pad using the Hot Washer**, by washing the debris into the trough until all debris is in the trough.
- 3) **While one person begins cleaning the debris, another person should be disposing of any totes and barrels** per procedure SCI-S008, and SCI-007 respectively.
- 4) **Position the Vactor (Super Sucker) next to the trough.** Use a ground guide for final positioning to ensure that any objects are free and the Super Sucker has enough clearance to safely operate.
- 5) **Using a ground guide, position a vacuum truck at the back of the super sucker and attach the connecting vacuum hose to the super sucker.** Ensure that the camlocks are in place and chinks are in place.
- 6) **Connect the non-perforated suction hose to main suction pipe** located at the front of the Super Sucker.
- 7) **Lower the suction hose** into the trough.

VACTOR TROUGH CLEANOUT

***NOTE: WHEN NECESSARY TO OPEN THE DRAIN, CONTACT ENVIRONMENTAL AND ALLOW THEM TO OBTAIN A SAMPLE OF THE FLUID IN THE TROUGH BEFORE OPENNING THE VALVE. CONTACT YOUR SUPERVISOR IF THE TROUGH NEEDS TO BE DRAINED. HE/SHE WILL DETERMINE WHETHER OR NOT TO DRAIN THE TROUGH.**

- 8) **Engage the Blower and idle up to -13 to -15"** of vacuum and begin cleaning out the sewer box.
- 9) **Monitor the level of water on the pump truck during this process.** When needed, detach the hose from the Super Sucker and off-load the water from at the Desalter per SCI-S001-Desalter Off-Load
- 10) **Once finished off-loading at the Desalter return to Vactor Pad**, reconnect the vacuum hose to the vacuum truck from the Vactor and continue process
- 11) **Once the Trough is clean of debris, Dump the Vactor box onto the West Pad** located directly West of the Vactor Pad.
 - **NOTE:** Use a ground guide while backing out the Vactor off the pad.

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- 12) **Dump the Vactor Debris box** by Using a ground guide to back on the western most area of the West Pad and back to within 3' of the West Pad Trough.
- 13) **Engage the PTO and select box extension** until the box is extended to 70 degrees. Open the rear door, select automatic cleanout and allow the automatic box wash process to empty the contents of the box into the trough.
 - During this process, some of the waste contents will spill onto the pad, use the Hot washer and the Vactor excavator hose to wash all contents into the trough.

Clean-Up & Completion

- 14) Secure all hoses, loose trash, store hoses and clean equipment.
- 15) Contact a supervisor for project completion approval.