



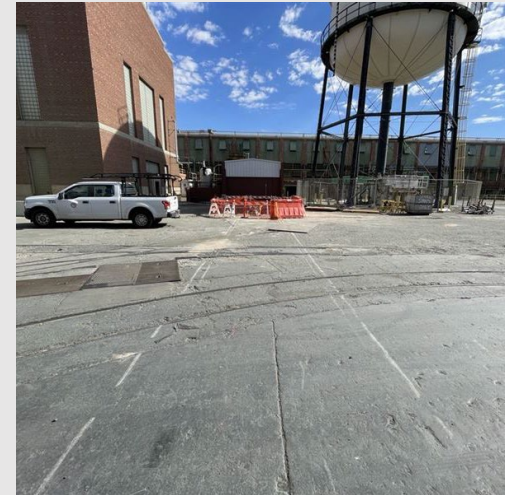
Potential Fatal Event: Blue Stake Contact with Electricity



Preliminary Incident Details

Operation	El Paso Refinery
Date / Time	September 5, 2023 / 11:45 a.m.
Type	Near Miss
Summary	Contractors were assigned to saw cut over a utilities tunnel to begin infrastructure repairs at the refinery. A Blue Stake permit was executed five days earlier. During asphalt/dirt excavation, contractors uncovered conduit that did appear on engineering drawings. Refinery electricians tested it with a Megger Easyloc Rx and did not find electrical power. The contractors continued with asphalt/dirt removal, then began to saw cut concrete. They noticed a spark and smoke and immediately stopped work. A 2400v line had been contacted. No one was injured.
Fatal Risk	Contact with Electricity
Risk Category	Actionable
Pre / Post Rating	Significant (3) / Likely (3)
Findings / Missing Controls	<ul style="list-style-type: none">• Electrical department had no formal Megger cable locator training• Megger cable locator was not the appropriate tool for the task due to rebar/rail tracks in the area• Inadequate utility identification and not in compliance with the policy.
Applicable Policies / Procedures	<ul style="list-style-type: none">• Blue Stake Policy FCX-13 /• Digging Permit (Blue Stake) SAF-0050
Employee Condition	No Injuries
Contact	David Caraveo, Sr. Supervisor-Electrical Maintenance

Photos / Links



Area marked for excavation; not all utilities marked with correct color



Excavation made outside of white paint



Saw used to make cut into concrete