

EXHIBIT A

## Pole Fire Contamination

- Air pollution results in insulator contamination.
- Contamination Causes:
  - ▶ Great Salt Lake
  - ▶ Road Salting
  - ▶ Industrial pollution
  - ▶ Others
- Contaminants build up on the insulators over time.

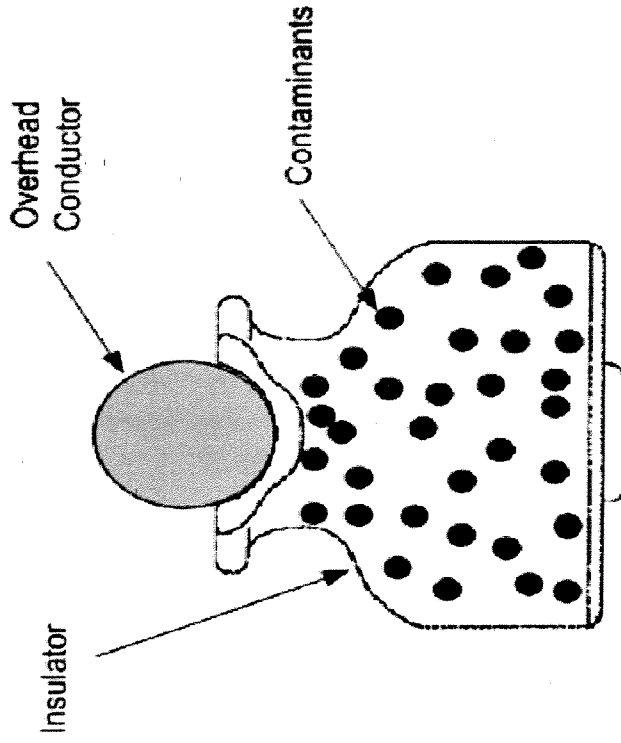


EXHIBIT B

## Pole Fire Contamination

- Light misting rain builds a bond between the contamination particles.
- The bond also exist on the crossarm.
- Tracking begins to form from the overhead conductor to the crossarm.

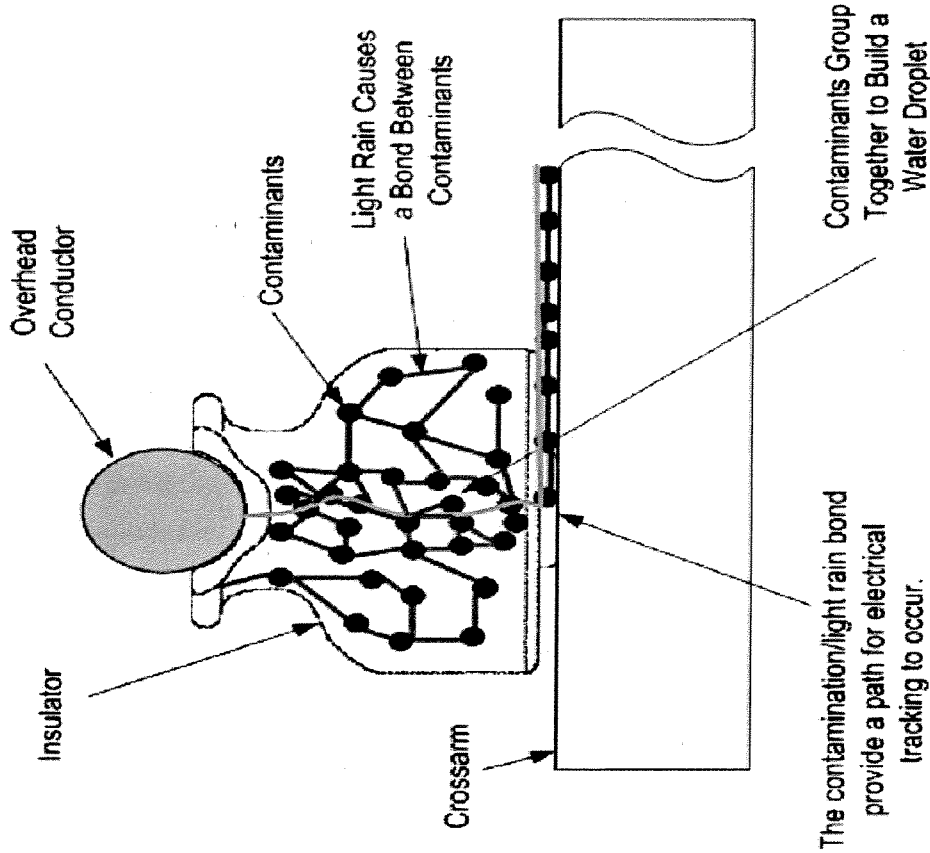
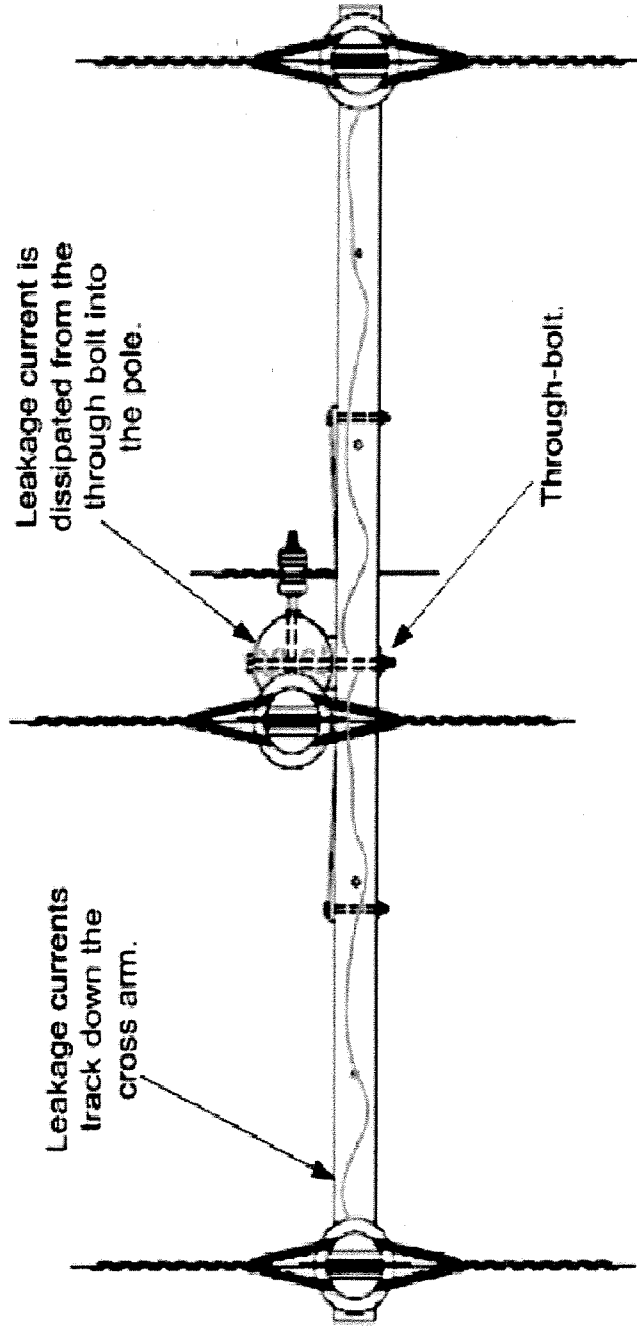


EXHIBIT C

## Pole Fire Conditions



- Leakage current tracks down the crossarm and into the through-bolt. The through-bolt dissipates the leakage current into the pole.
- The dissipation of leakage current can result in a pole fire.

EXHIBIT D

## Pole Fire Contamination

- Front view of electrical tracking pattern.
- Tracking patterns and contamination concerns occur on cutouts, deadends and other types of insulating hardware in the same manner.

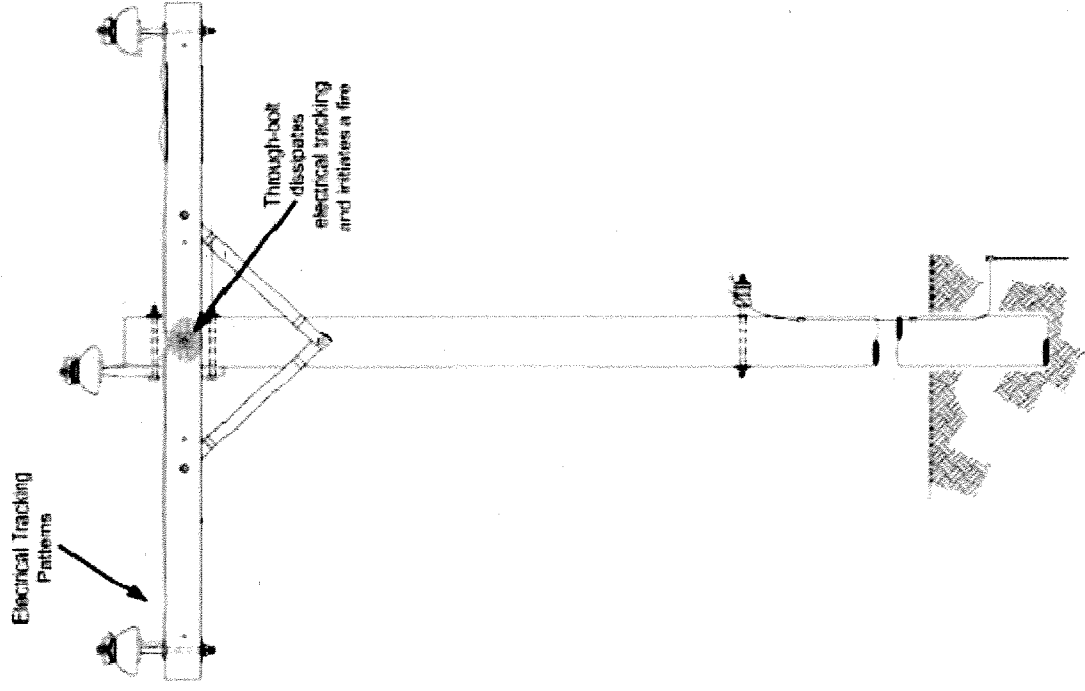




EXHIBIT E

# Mr. Drake's Outage Thematic

