

## Portable Road Plant Initial Inspection Checklist

### The initial electrical inspection will include:

#### Generator:

- Generator bonding jumper installed and properly sized
- Generator grounding electrode system
- Verify generator trailer grounding
- Check generator overcurrent and the feeder conductor size, that is extended to the control trailer and other equipment fed from the generator
- Verify separable (cam-lock) connections are in good condition and terminations are secure

#### Control trailer:

- Check feeder panelboard in control shack for isolation of equipment grounds and grounded (neutral) conductors
- Verify feeder overcurrent protection and conductor sizing to separate equipment, baghouse, drum, silo, lab trailer(s) etc.

#### Equipment/Conveyors/Lab trailers:

- Check the cord drops and connections at equipment disconnects
- Check to be sure electrical disconnects are secured to equipment
- Verify control cabinets are properly grounded
- Verify GFCI protection for outdoor 15- and 20-amp 125-volt receptacles
- Verify GFCI protection is within 6-feet of the lab trailer sinks.
- Many times there will be a step down transformer for the 120/240 volt lab trailer, the inspector will verify proper overcurrent protection, grounding and bonding

### Subsequent electrical inspections would include:

#### Generator:

- Confirm generator had an initial inspection (sticker) and location of the bonding jumper
- Verify grounding electrode system has been installed

#### Control Trailer:

- Confirm control trailer had an initial inspection (sticker)

#### Equipment/Conveyors/Lab trailers:

- Check the cord drops and connections at equipment disconnects
- Check to be sure electrical disconnects are secured to equipment