Forta Fi - Fiber Feeding - Information - Checklist - QA/QC

Information Gathering:

* Verify RAP percentage
* Verify if RAS to be used
* Determine planned feeding schedule
* Determine feeding rate
* Determine operating temperature
* Record plant type and size
* If drum plant, record distance from RAP collar to oil
* Phone number for button house operator and paving superintendent
* Discuss QA/QC procedures with button house

Setup

* Find safe and secure location to place fiber metering device (FMD)
  + Location should be as close to the drum insertion point as possible
  + Care should be taken to reduce the amount of bends and corners in the hose when possible.
  + Find level ground to place FMD
* Level FMD
  + Front and back side to side
* Hook up power
  + 220/240 volt 40 amp service
* Prepare drum
  + Unstrap drum from mobilization position
  + Center on load cells
  + Make sure scoop is in line with augur opening and blower
* Hook Up hoses at FMD and insertion point
* Identify insertion point location and locate so fibers flow into RAP stream
* Turn FMD on
  + Assuming drum is empty check to make sure the scale is zeroing out
  + If fiber is still in the drum it needs to match the previous amount of weight as when machine was used last
  + Test Blower (Setup>blower motor)
  + Test Rake (manually spin rake shaft from below drum as blower is slowing down from test)
* Ground Equipment
  + Ground feeder line at insertion point and at the base
  + Ground Base of Drum
  + Ground Trailer
  + Ground any other metallic object that may have static buildup
* Add fiber and begin FMD feeding

QA/QC procedure while metering:

Check at startup:

* Verify production rate with button house, adjust feed rate if necessary
* Verify production temperature with button house, record temperature
* Check feed line for static buildup, verify grounding
* Check production line bends , turns, and transitions for fiber buildup
* Verify that fiber is centered into the RAP flow
* Sample asphalt at plant outlet/silo conveyor. Sample three times. Check for proper fiber dispersion.
* If possible, have plant dump small amount of mix from conveyor outlet chute. Observe dumped mix for dispersion.
* Starting with the first truck loaded out of the plant rake and spot check mix in the back of the truck for possible fiber clumps
* Check in with field superintendent to discuss mixture quality at paving site

Verify the following during production

* Verify feed rate, hourly
* Verify temperature, hourly
* Sample from plant outlet/conveyor and observe distribution, every two hours or as necessary
* Check with field superintendent and/or button house periodically
* Adjust feed rate as necessary
* Discuss mixing changes with button house as necessary