



WRF1 Biosolids Dryer Update

July 1, 2020



Kristian Alfelor
Operations Manager

Dryer

- Started operation in 2005
- One of the first in California
- Designed to produce biosolid pellets
- Produces approx. 2,000 tons annually
- Process is automated; but still requires operator attention through SCADA and physical facility inspection
- Shutdown for preventive maintenance twice a year and periodically for repairs



Incident

- On January 10, 2020, at approximately 3:50 PM there was an explosion at the biosolids dryer
- No injuries to employees or the public
- Dryer has been inoperable due to the damage



Actions

- DWP conducted a forensics investigation and root cause analysis using third party
- City's insurance carrier, AIG, conducted a concurrent investigation
- Established and agreed on the cost estimate and list of components that require replacement, as well as safety upgrades required by updates to standards from NFPA



Finding

- Insufficient purge time between start up attempts
- AIG concurred with this analysis







Next Steps

- Issue RFP for design/build
- Complete construction
- Startup: Automation integration, training, testing and trials
- Restart Operations
- Expect project completion in 18 – 24 months



QUESTIONS?



951-736-2234



Kristian.Alfelor@CoronaCA.gov



www.CoronaCA.gov

