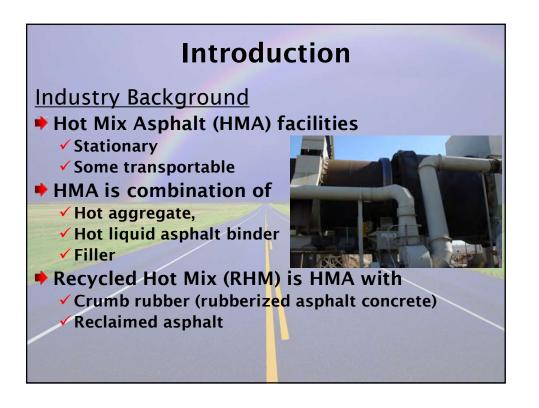
**CARB 246** 

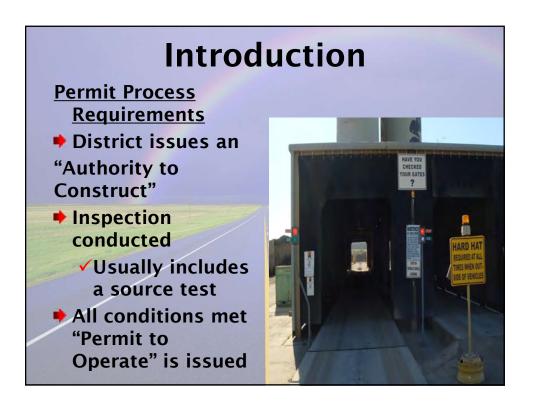








# Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

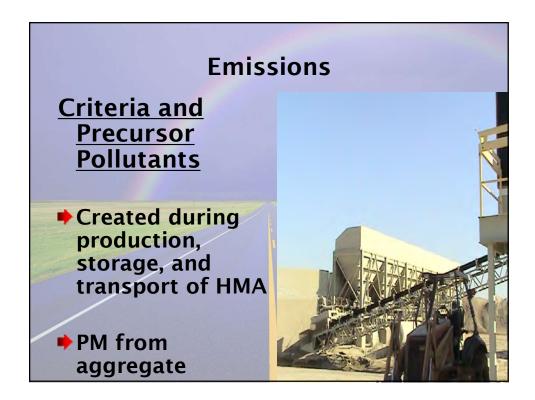


# **Emissions and Effects**

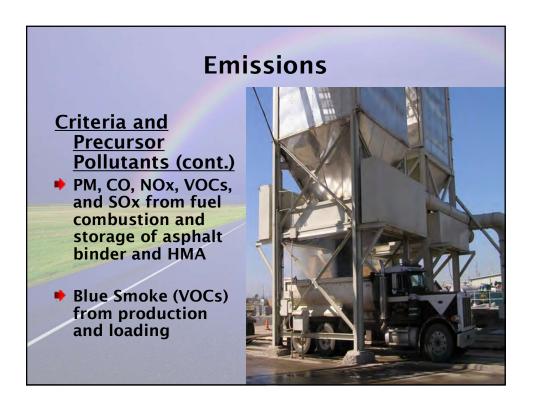


- HMA facilities emit pollutants such as PM, CO, NOx, SOx, VOCs and other toxic substances
- NOx and VOCs are Ozone  $(O_3)$ precursors each reacts with sunlight to form  $O_3$

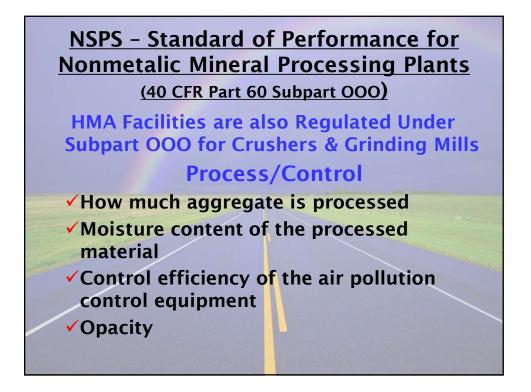
(OVER 125 Facilities)	
Typical HMA	Emissions
Pollutants	(tons/yr)
PM (total for all size categories)	1500
PM10	700
PM2.5	400
СО	800
NOx	450
Total Organic Compounds	200
Reactive Organic Gas	200
SOx	100
VOCs	200



# Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

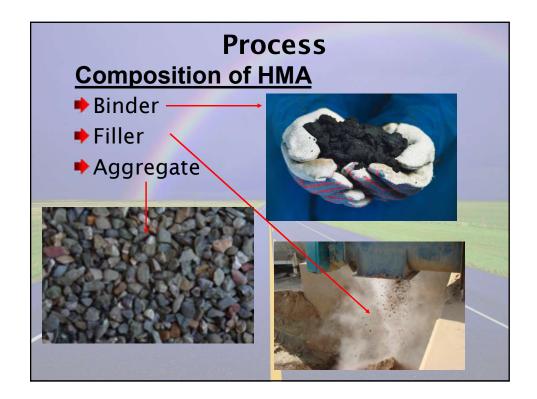


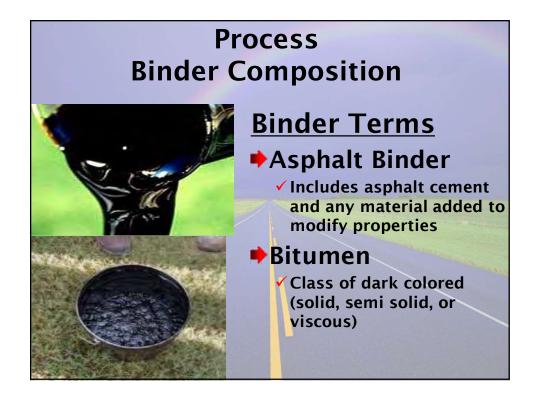
# <section-header><section-header><section-header><section-header><section-header><list-item><list-item><list-item><list-item><list-item><list-item>



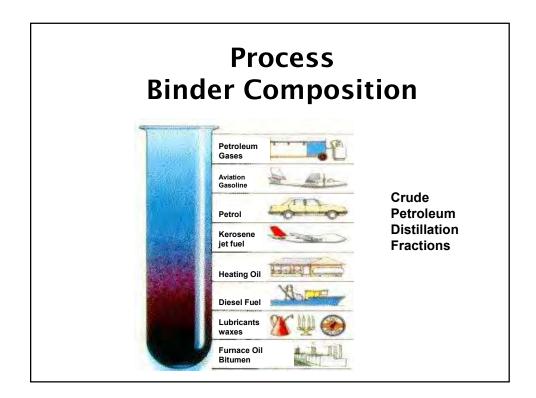


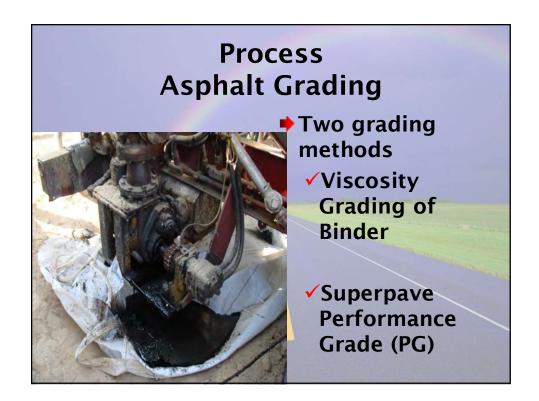
**CARB 246** 

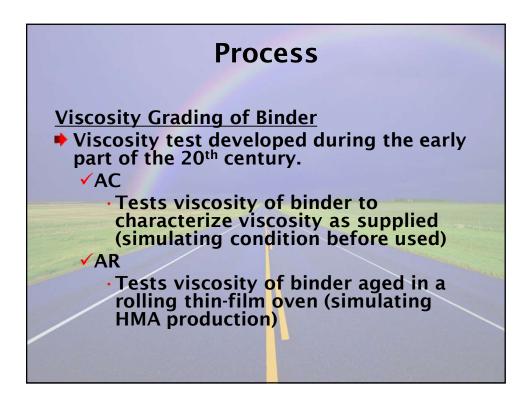


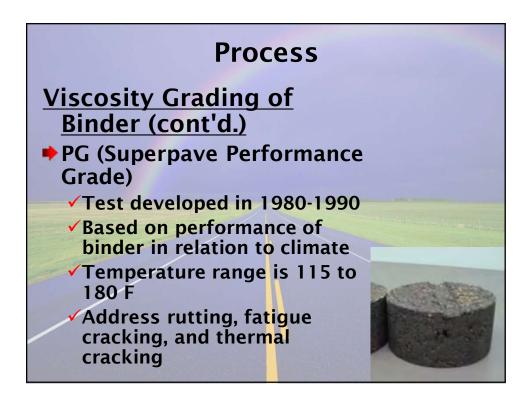


CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

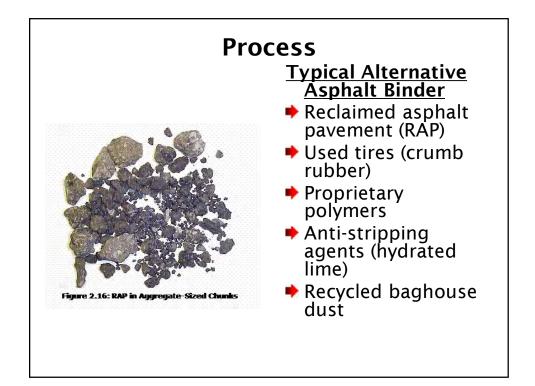


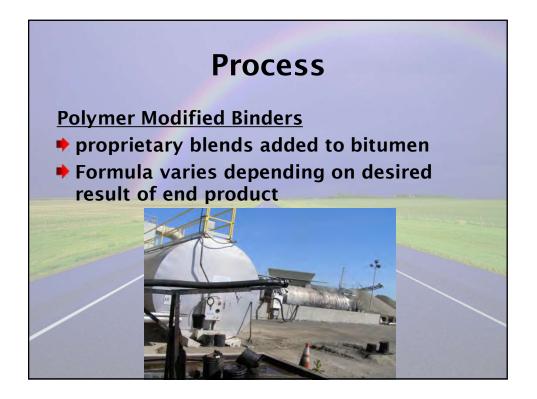


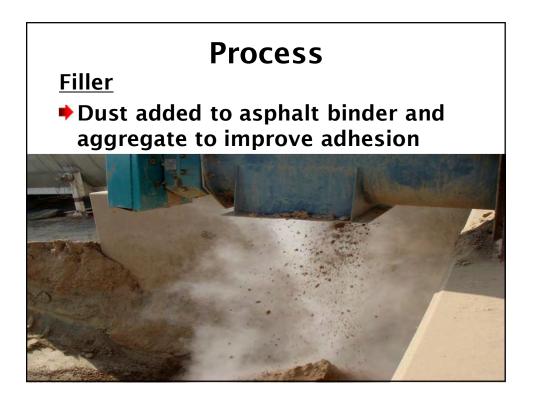




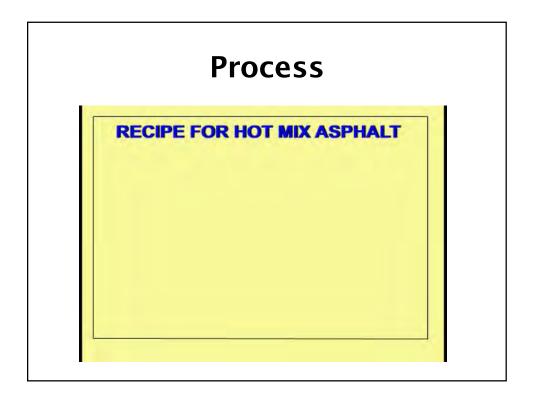


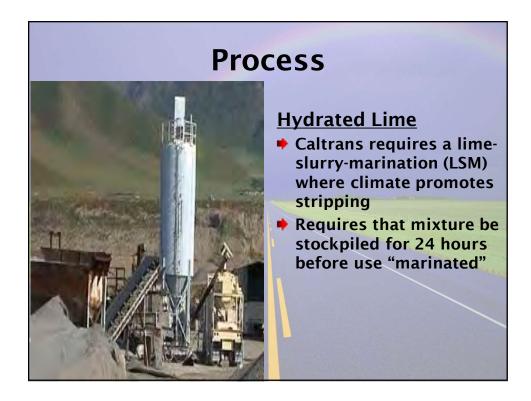




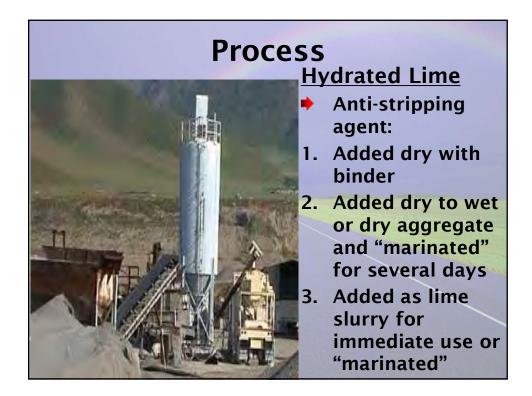


CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

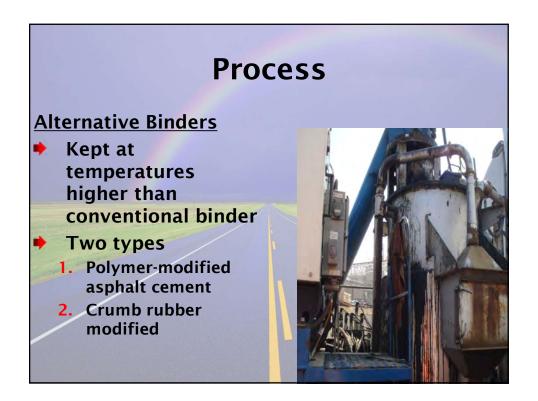


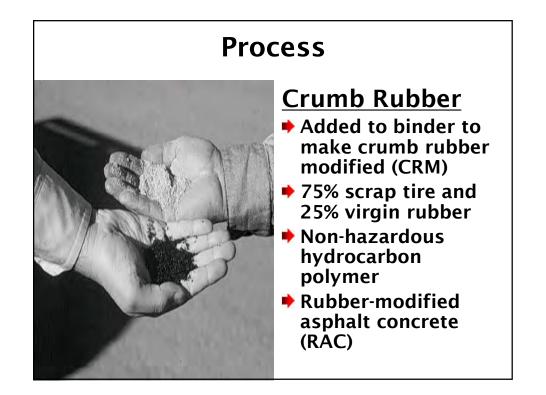


**CARB 246** 

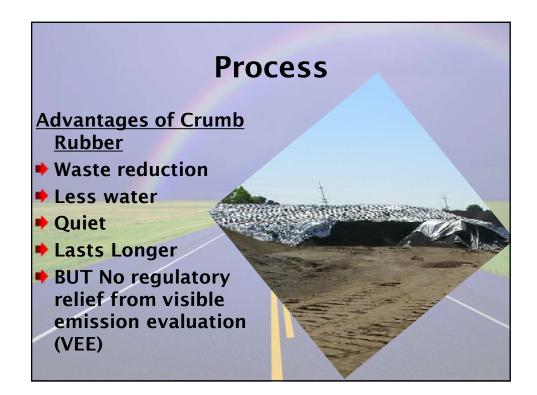


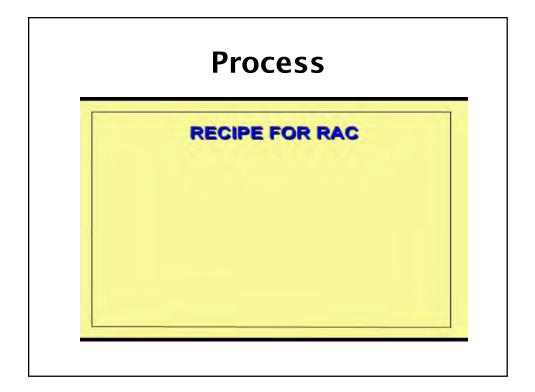




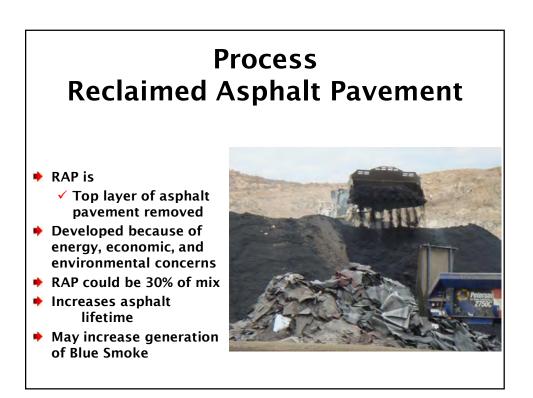


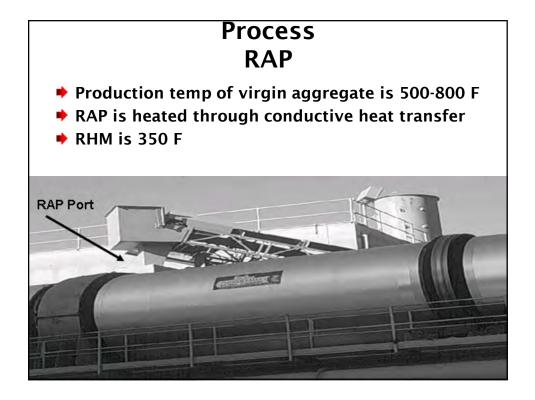
# Aggregate, Concrete Batching, and Hot Mix Asphalt Operations



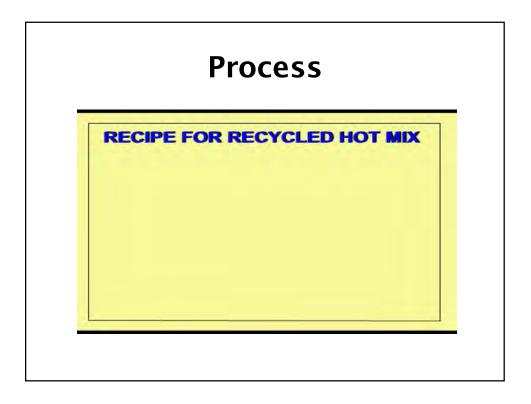


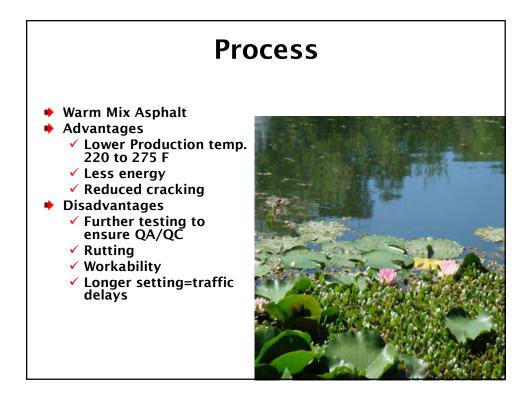
26 January 2021





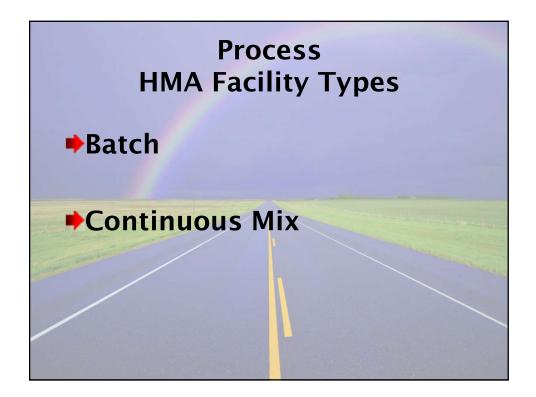
CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations



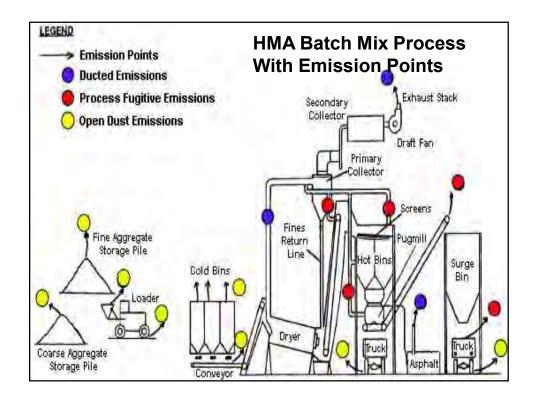


**CARB 246** 

Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

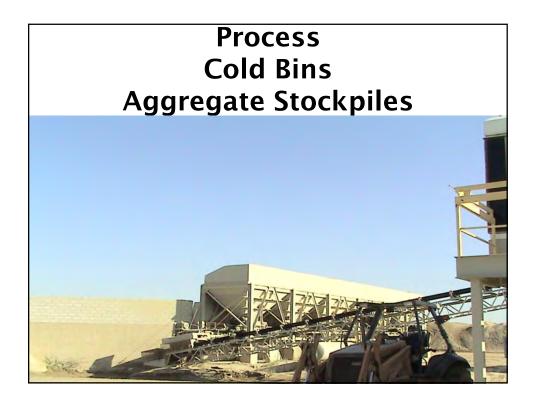






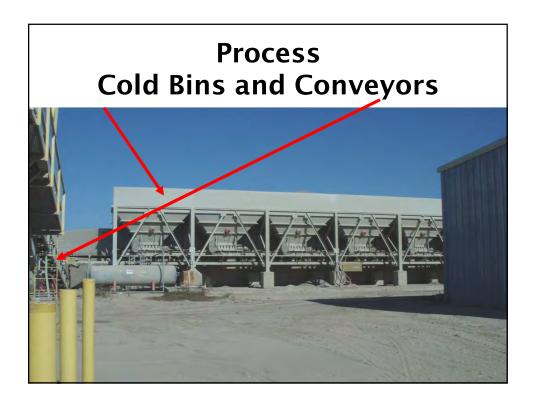


CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations



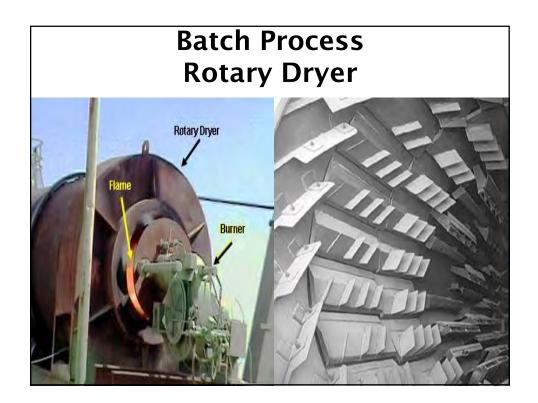


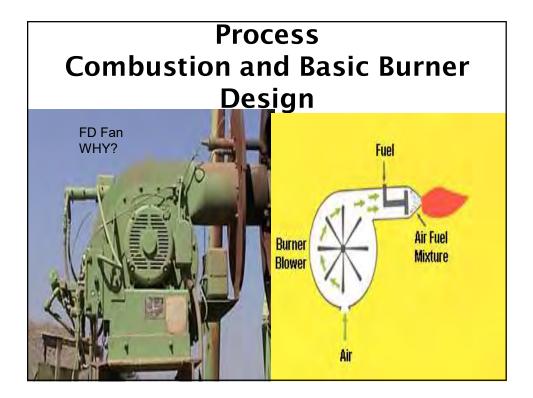
CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations



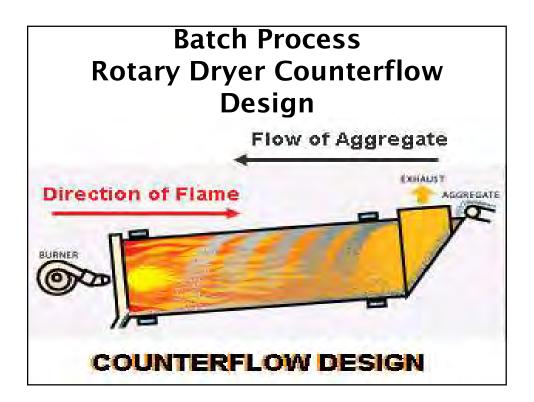


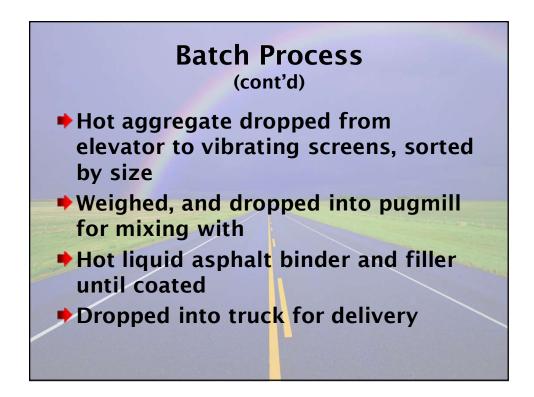
CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations



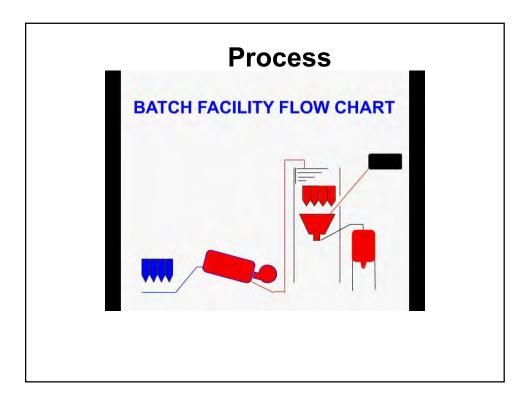


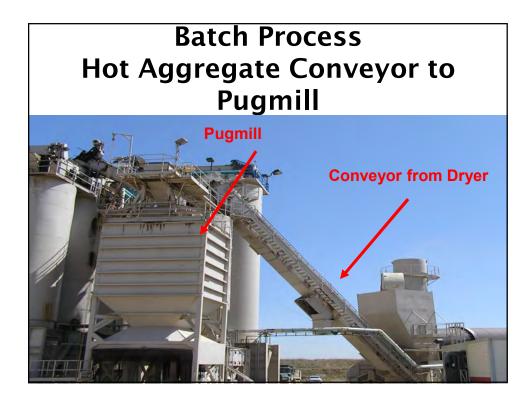
Aggregate, Concrete Batching, and Hot Mix Asphalt Operations





CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations



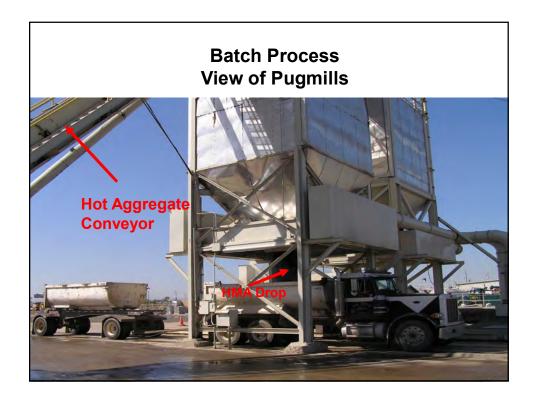


CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations





CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations





CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations



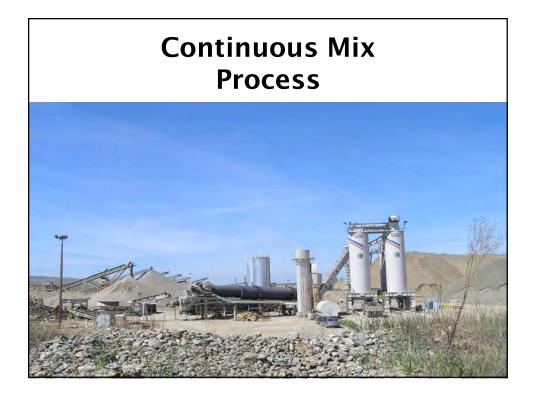


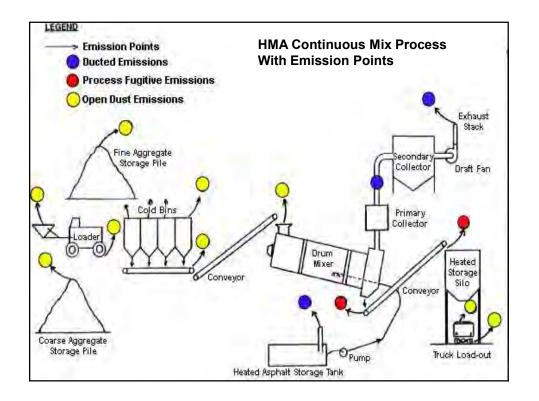


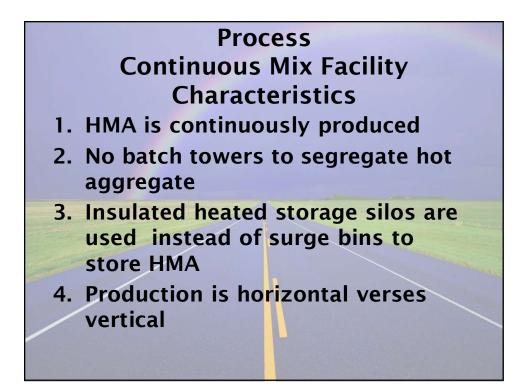


CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

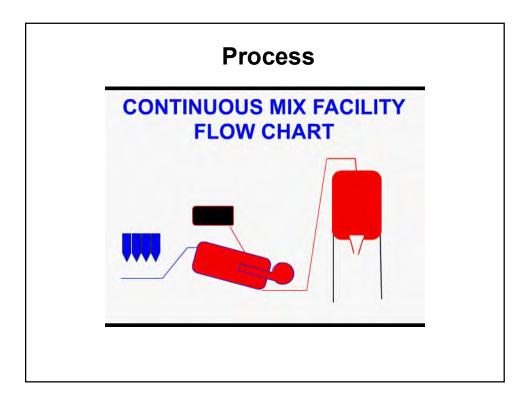






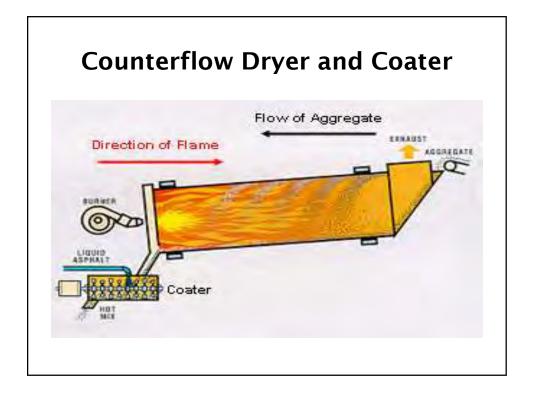


CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

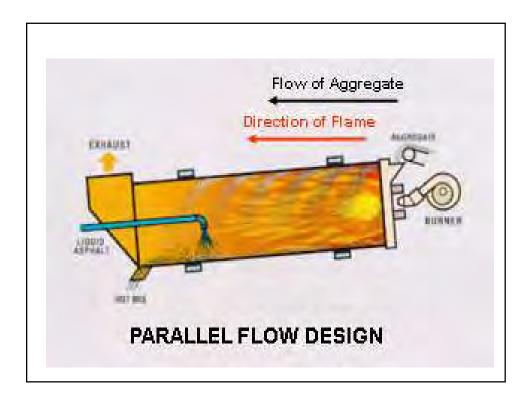


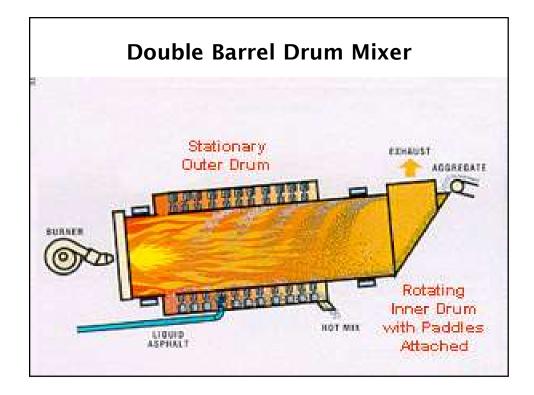






CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

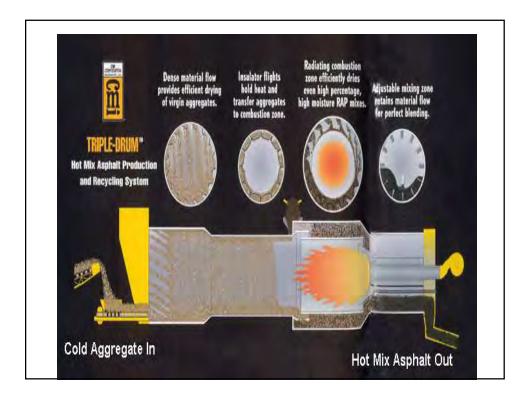








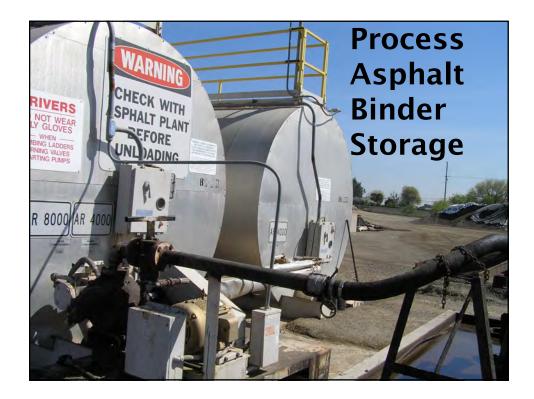
CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations





**CARB 246** 

Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

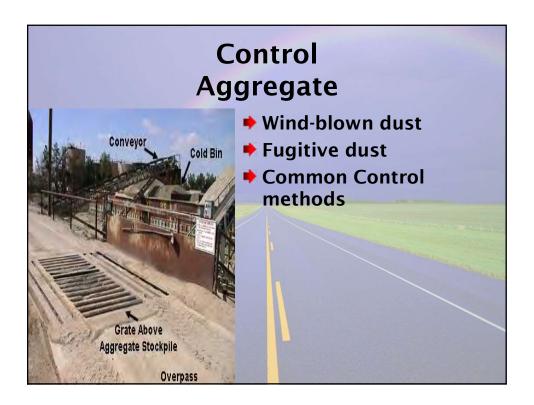




**CARB 246** 









CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations





CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations





**CARB 246** 

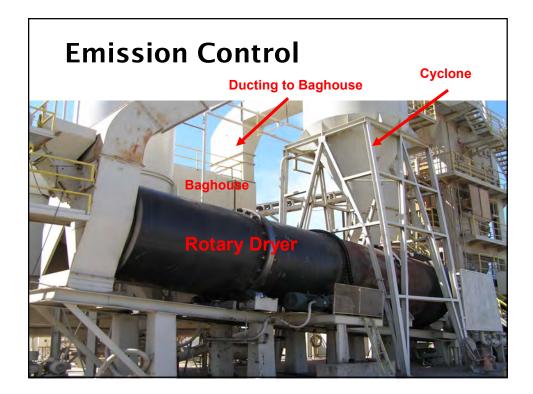




**CARB 246** 

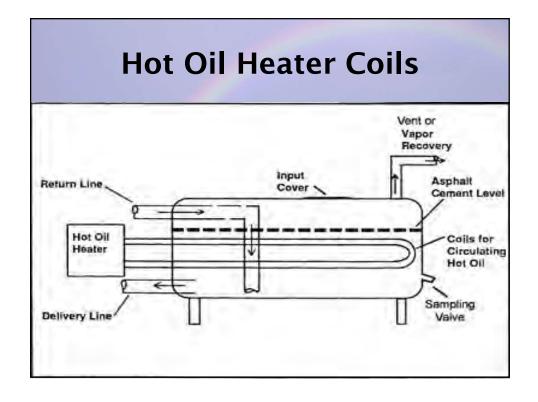
Aggregate, Concrete Batching, and Hot Mix Asphalt Operations





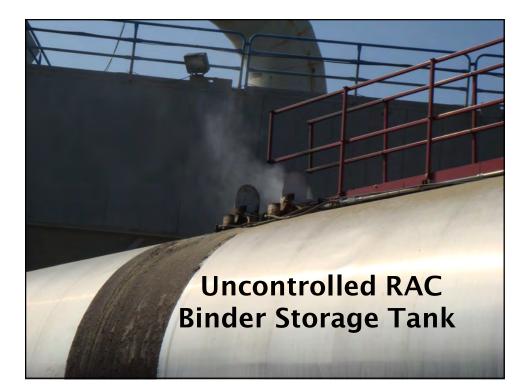
CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations





**CARB 246** 

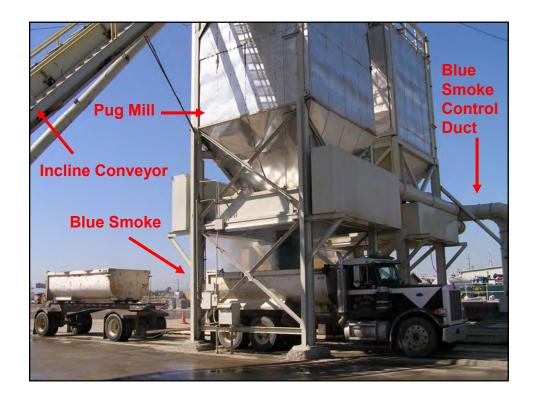








CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

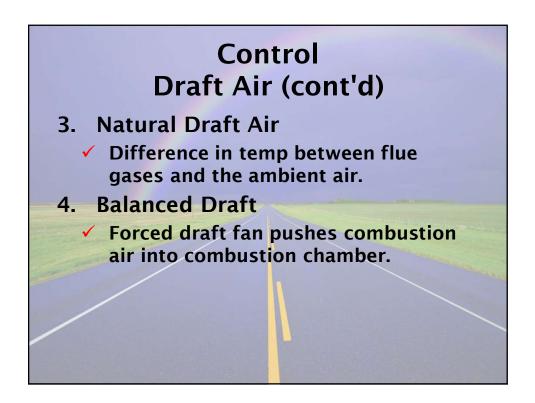








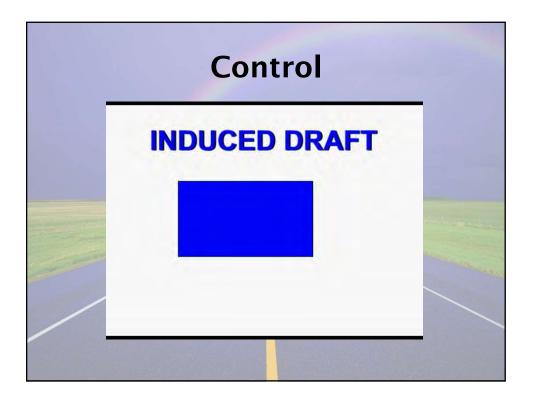
### Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

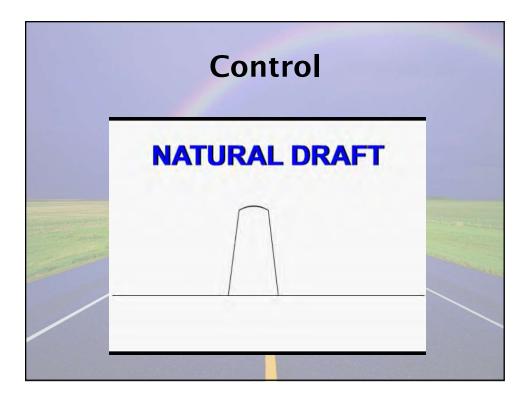




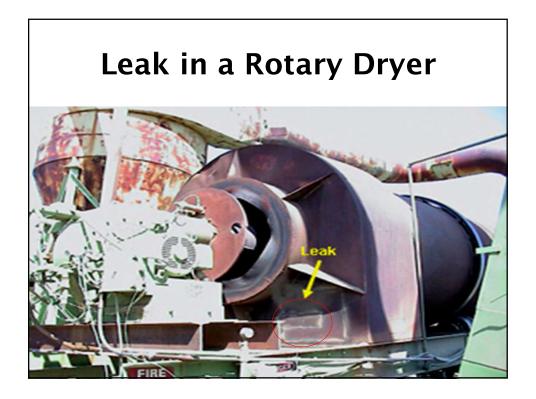
26 January 2021

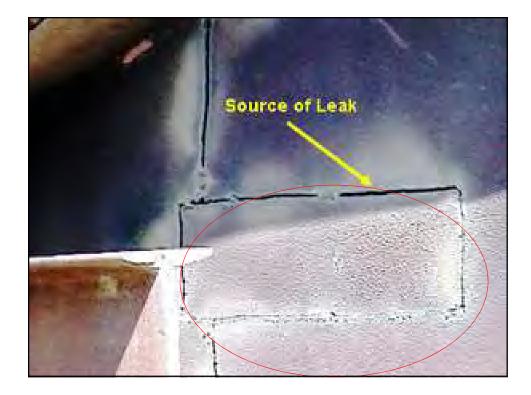
CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations





CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

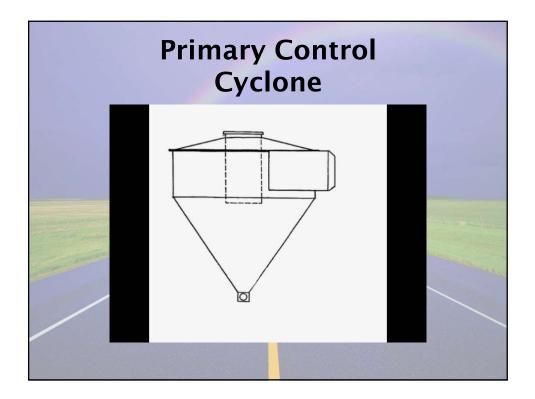


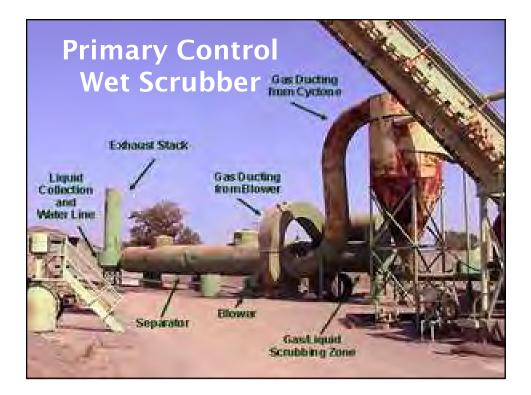






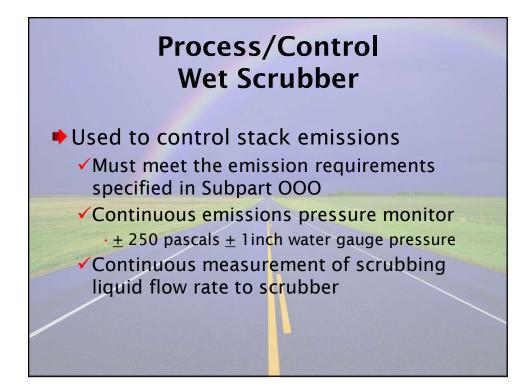
CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

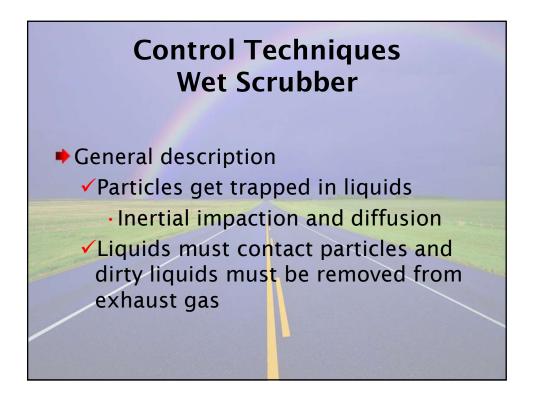


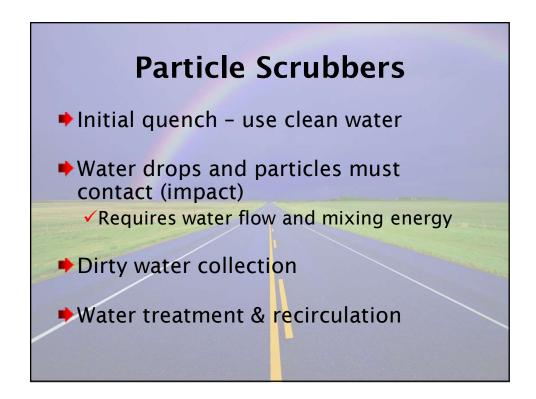


**CARB 246** 

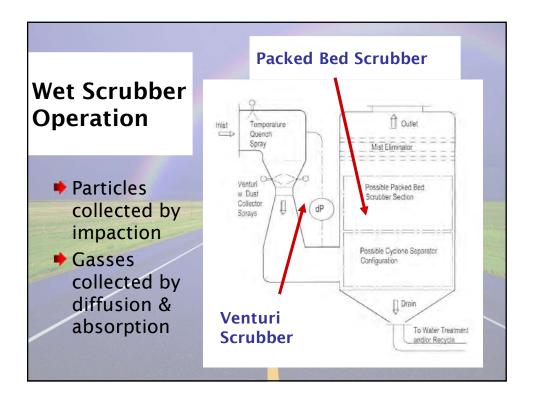


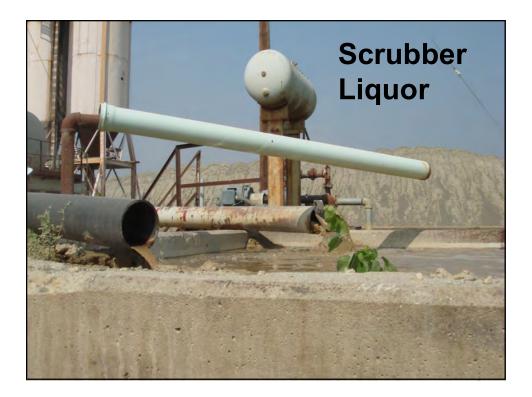




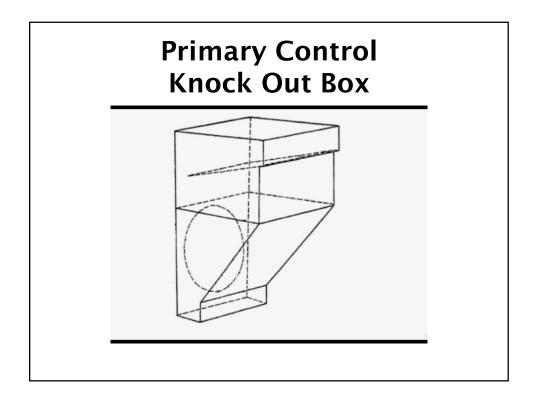


CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations





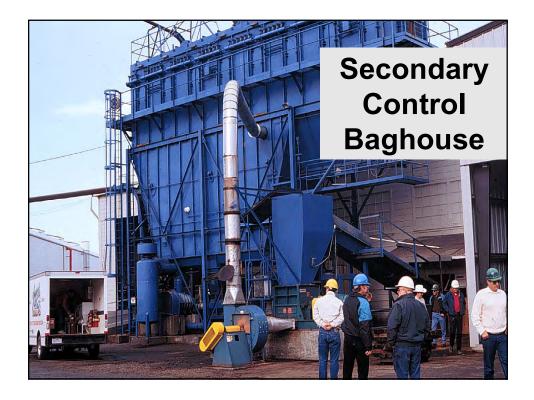
CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

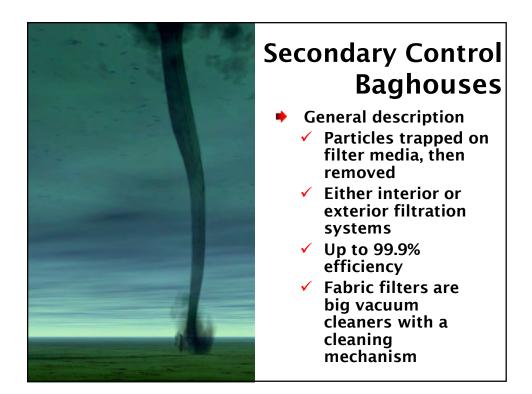




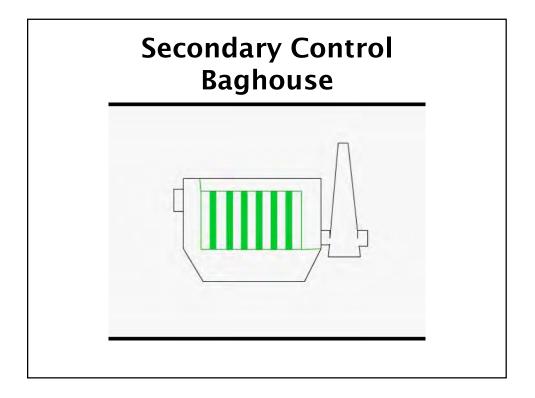
**CARB 246** 

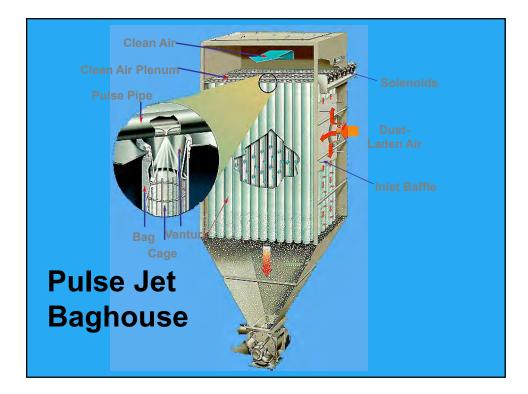
Aggregate, Concrete Batching, and Hot Mix Asphalt Operations



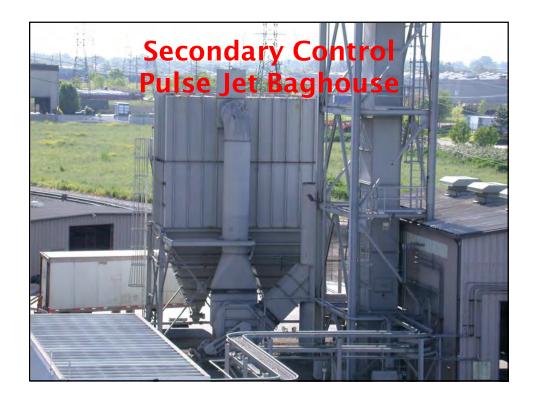


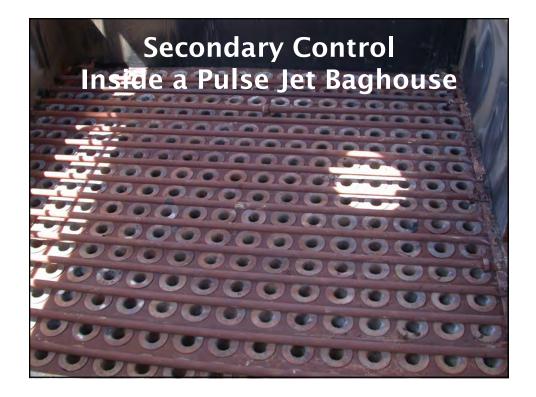
CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations





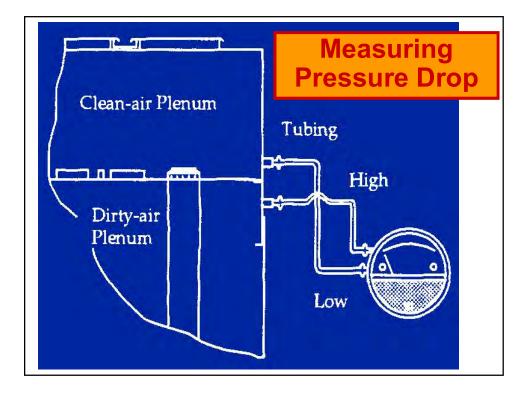
CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

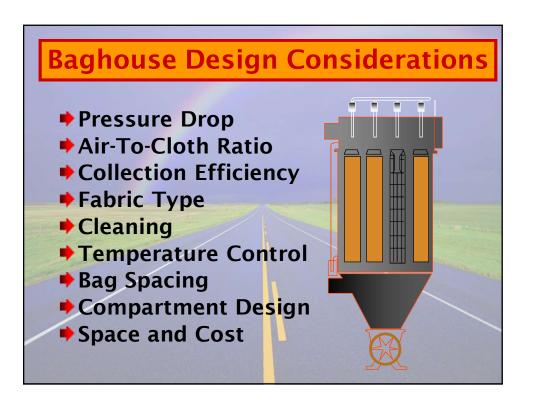


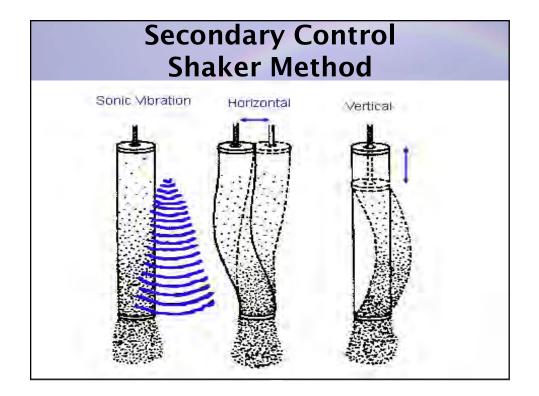


CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

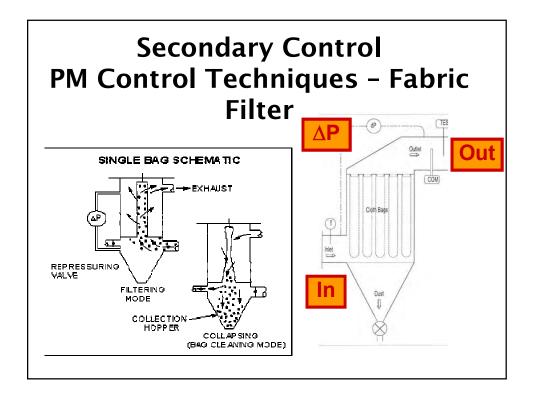


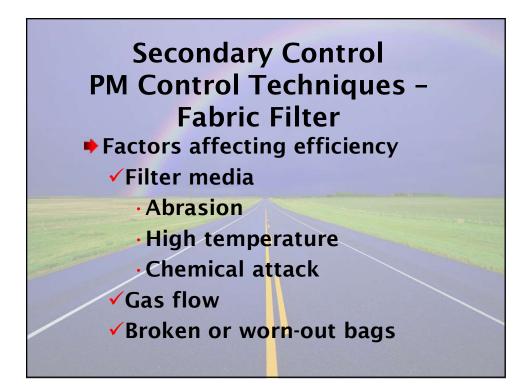




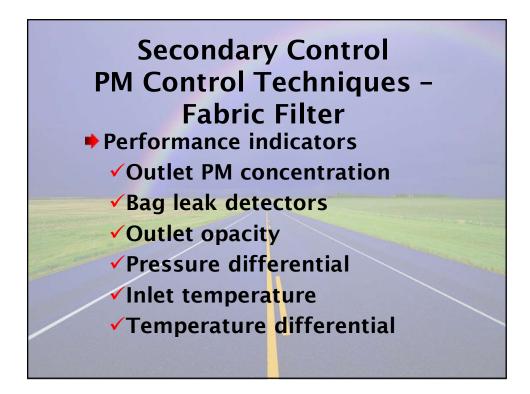


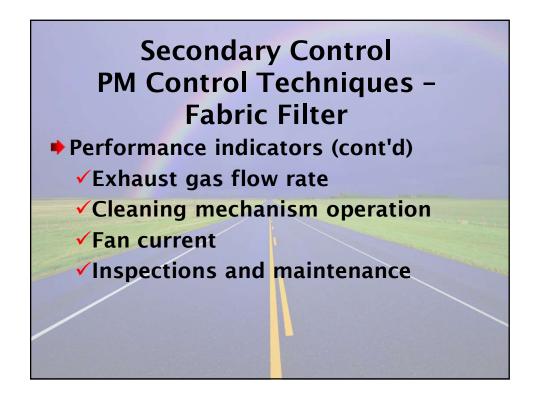
Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

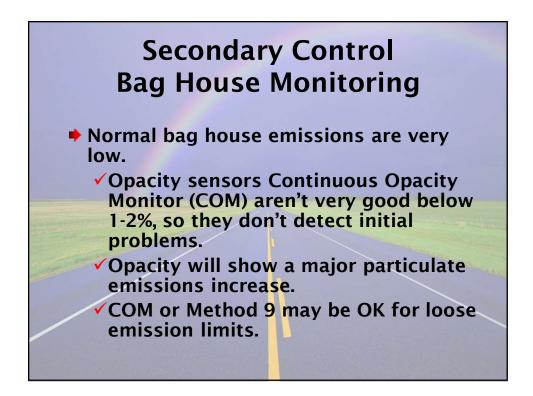


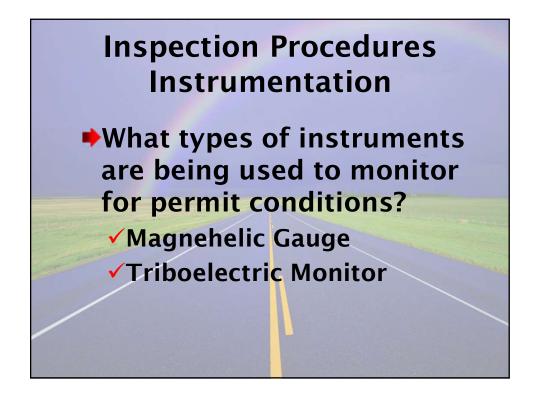








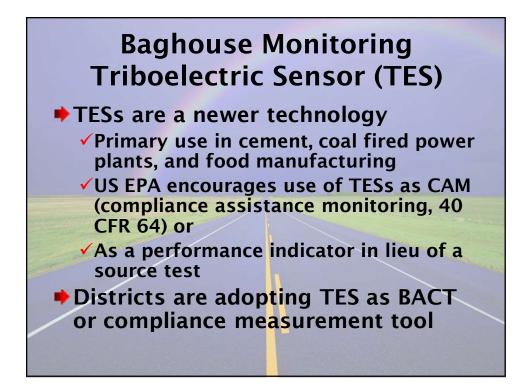


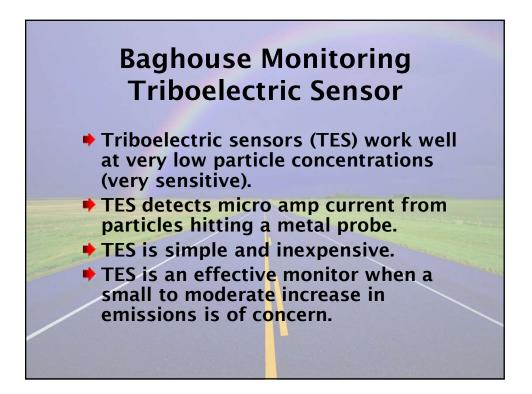


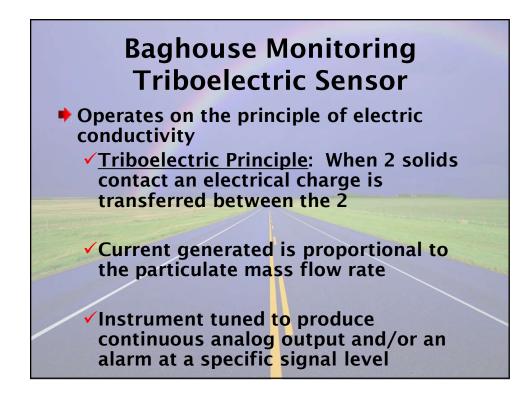


CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations



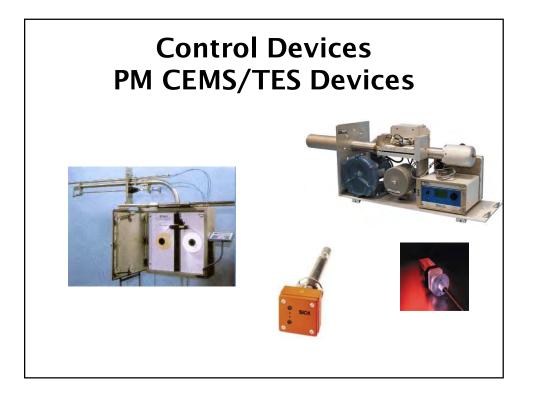


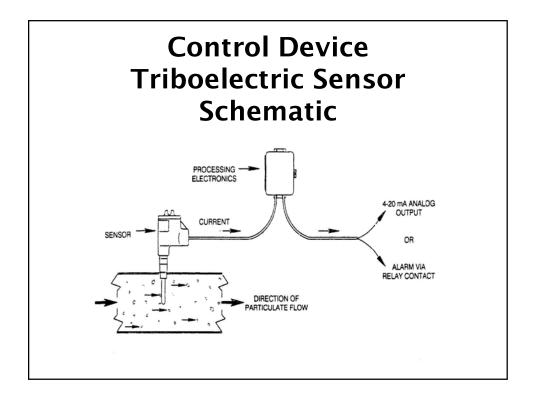




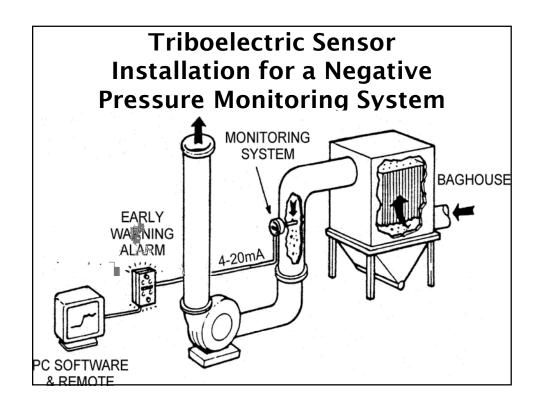
**CARB 246** 

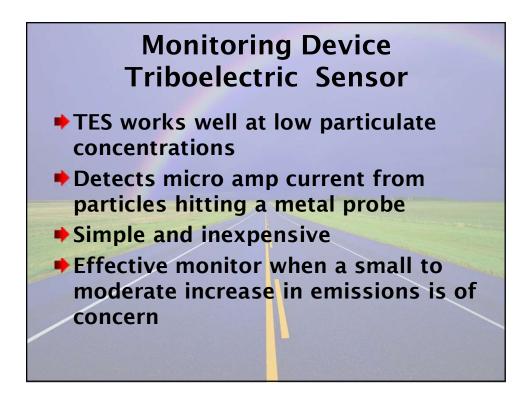
Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

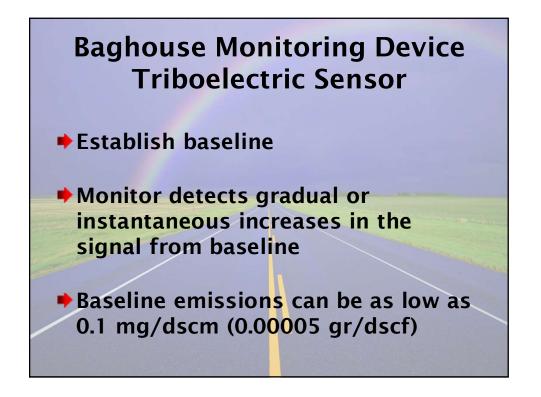


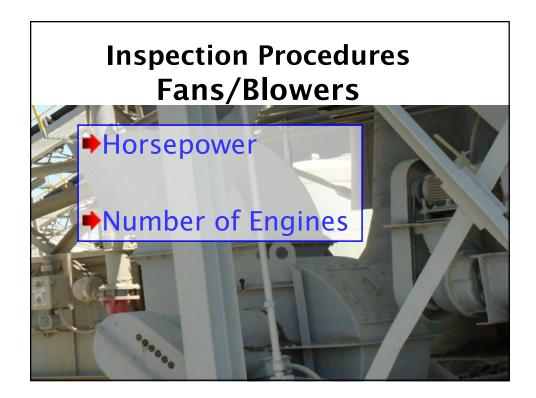


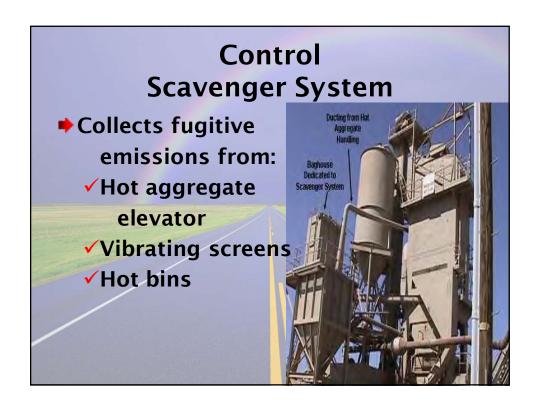
Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

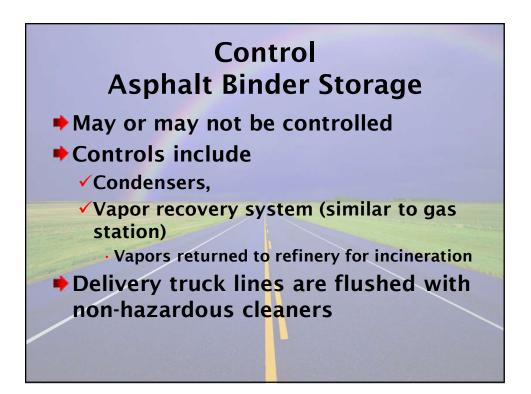










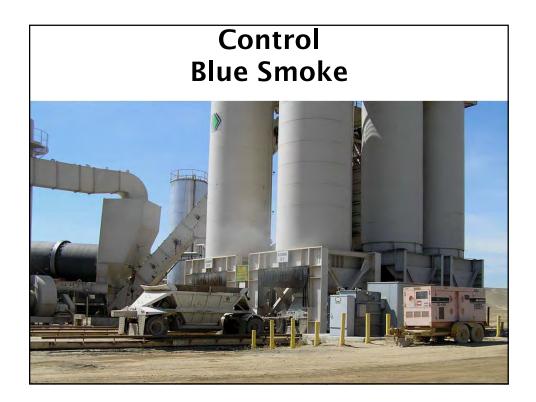


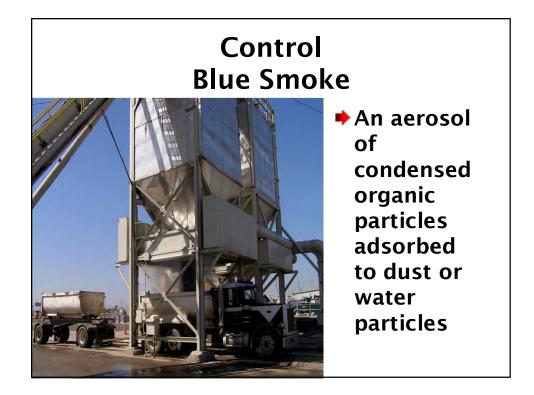
CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

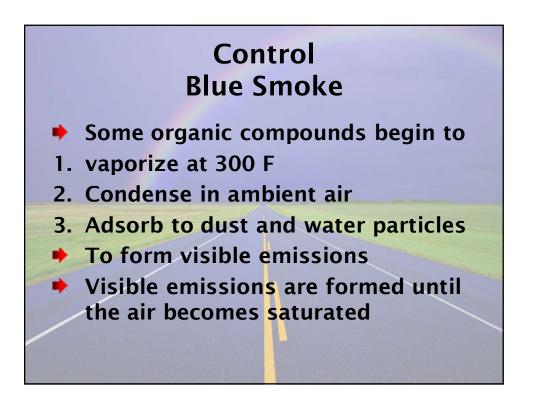


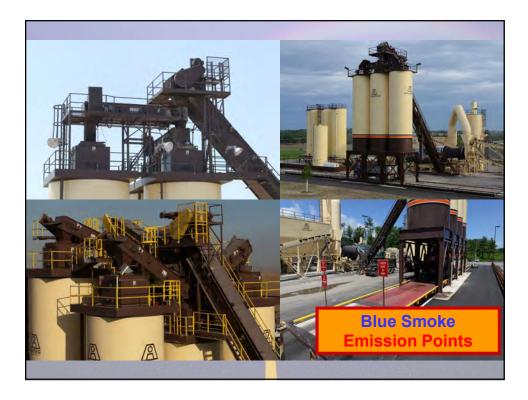


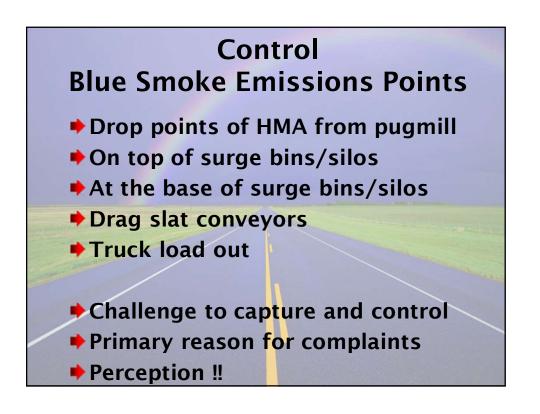
CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

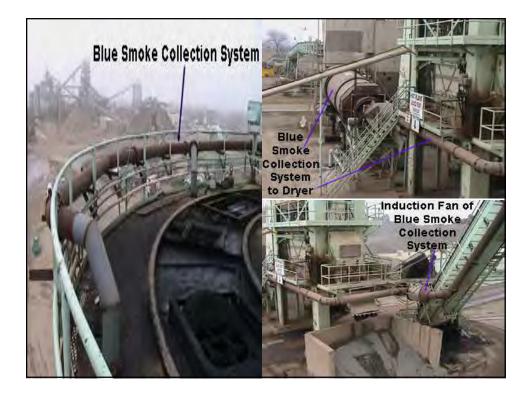












CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations





CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations



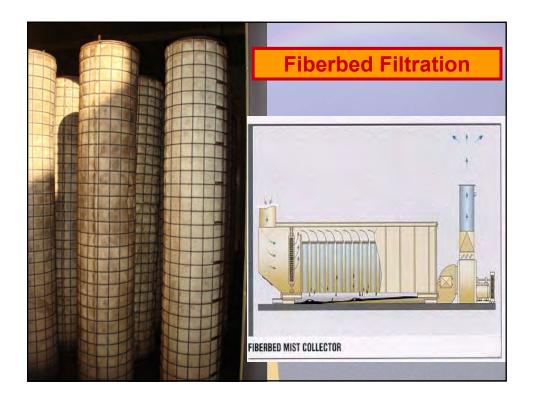


CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations





CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

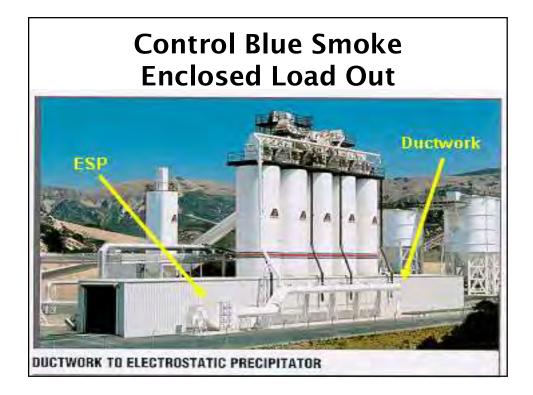




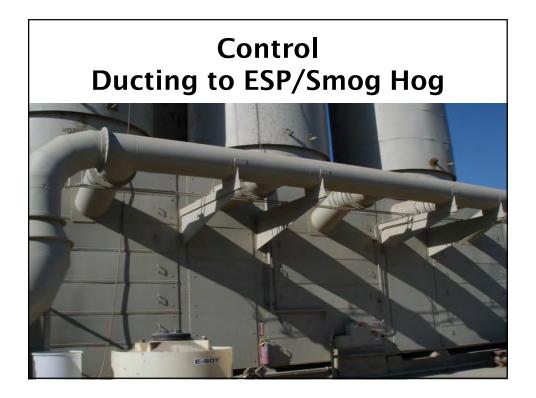
**CARB 246** 

Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

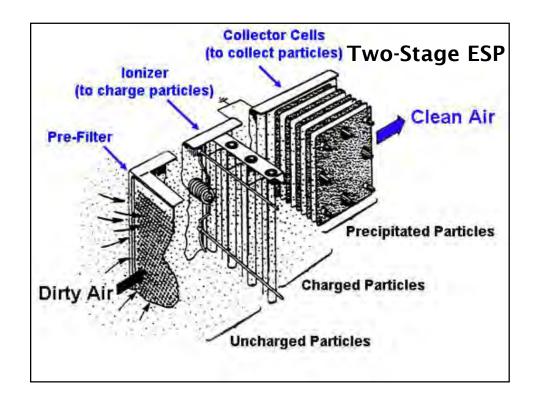








CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

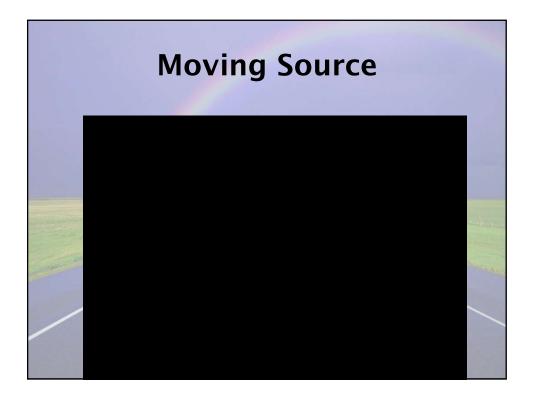


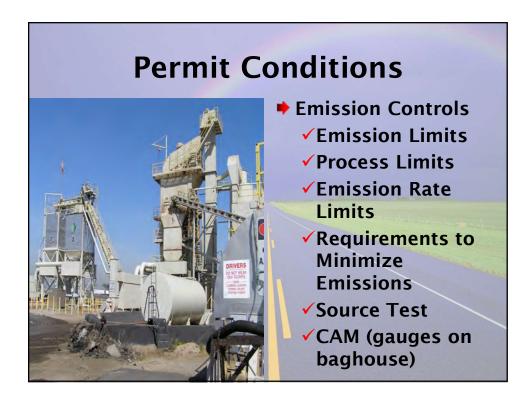


CARB 246 Aggregate, Concrete Batching, and Hot Mix Asphalt Operations









**CARB 246** 

Aggregate, Concrete Batching, and Hot Mix Asphalt Operations

