



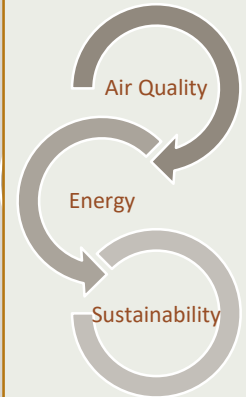
STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION



DIVISION OF AIR QUALITY  
AIR QUALITY, ENERGY, AND SUSTAINABILITY

**RISK ASSESSMENT FOR  
MINOR FACILITIES**

October 4th, 2019



Connor Lapiska, Bureau of Stationary Sources, Air Quality

# PRECONSTRUCTION PERMITS FACILITY-WIDE HAP IMPACTS

**Is the application emitting a new HAP, increasing emissions of an existing HAP, or changing stack parameters in a manner that may increase risk?**



**Is first-level risk negligible for new or modified equipment?**

NO → **NEXT SLIDE**



**No further action.  
Facility-Wide Risk (FWR) for  
HAP is not required**

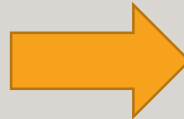
# PRECONSTRUCTION PERMITS FACILITY-WIDE HAP IMPACTS

Is the first-level risk negligible for new or modified equipment?



Does the facility have other sources of the same HAP?

YES



Combine emissions from each source of that HAP into the worst case stack on the first-level risk assessment worksheet

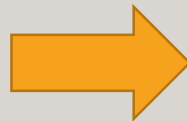


**NEXT SLIDE**

NO



**FWR for HAP is not required**



Conduct second-level risk assessment for new or modified equipment only

# FIRST-LEVEL RISK ASSESSMENT FOR EACH SOURCE OF THAT HAP

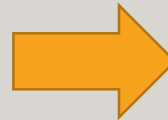
Is first-level risk assessment required for multiple sources of the same HAP?



Is the total risk negligible?  $\leq 10$  in a million cancer risk and  $\leq 1$  hazard quotient?



**FWR for HAP is not required**



**Conduct second-level risk assessment for new or modified equipment only**

# FIRST-LEVEL RISK ASSESSMENT FOR EACH SOURCE OF THAT HAP

Is the total risk negligible?  $\leq 10$  in a million cancer risk and  $\leq 1$  hazard quotient?



NO

Conduct refined FWR for that HAP only

Is FWR negligible?



NO

Risk Management  
Committee  
(RMC)



YES

No further action  
necessary



Questions



End