

# Air Quality Assessment Process for CMH

## I Agency Coordination

## **Prepare the Emissions Inventory**

- Aircraft
- **★★** Ground Support Equipment
  - Stationary Sources
  - Mobile Sources
  - Construction



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### **Evaluate General Conformity**

- Future Baseline
- Sponsors Proposed Project

POLLUTANT	NONATTALHNENT AREA NET THRESHOLD EMISSIONS	MAINTENANCE AREA NET THRESHOLD EMESSIONS
Carbon Homoside (CD)	:00	100
Particulate Nation (PNL)	100	100
Madarata Monatta niment Ansa Son pup Nemaltain mon. Ansa	:60	
	177	
Particulate Matter (PH <sub>5.2</sub> )	100	100
Safter Clockle (SO.)	.00	100
Hitrages Blaside (NC.)	190	100
Level (Px)	- 25	25
wone (O <sub>1</sub> )	YOC/NOX	
for eachievable view don't	10,50	
Seway vendulation from	2525	
February Management 6009	115,100	
Track or some transport region:		30/100
Marrie of No. of Lot 1 to 1 force	25/120	
Moderate Senattainment Area	10430	
Duntage an accord transport choices		189/100

IV

## **Prepare Dispersion Base Inventory**

- Runway Use
- Gate Use
- Operational Profiles

- Taxiways
- Departure Delay
- Physical Locations

V

#### **Conduct Dispersion Analysis**

- **Existing Conditions**
- Future Baselines
- Future Project Alternatives



VI

### **Evaluate the NAAQS**



POLLUTANT	PERIOD	PREMART	SECONDARY
Sulfur Dioxide (SO <sub>1</sub> )	Annual Arithmetic Mean 24-Hour Average 3-Year Average	0.02 PPM 0.14 PPM None	None C.50 PPH
Particulate Matter (PM <sub>31</sub> )	24-Hour Average	150 µg/m²	150 kg/m <sup>3</sup>
Particulate Matter (PM <sub>1.3</sub> )	Annual Arithmetic Mean 24-Hour Average	15 ag/m <sup>3</sup> 35 ag/m <sup>3</sup>	15 (g/m² 65 (g/m²
Carbon Monoxide (CO)	8-Hour Average 1-Hour Average	9 PPM 3E PPM	None Nane
(State (SL)	H Hear Average 1-Hear Ryerage	0.2a 1996 U.32 1998	D.00 PT-0 D.12 FT-0
Nitrogen Diaxide (NO <sub>2</sub> )	Annual Arithmetic Mean	0.053 PPM	0.053 PPH
-141/90	3 Photis Address to Mace	L. Samonia	3.6 cates!