AIR CONFORMITY APPLICABILITY MODEL REPORT
RECORD OF AIR ANALYSIS (ROAA)

1. General Information: The Air Force's Air Conformity Applicability Model (ACAM) was used to perform an analysis to assess the potential air quality impact/s associated with the action in accordance with the Air Force Manual 32-7002, Environmental Compliance and Pollution Prevention; the Environmental Impact Analysis Process (EIAP, 32 CFR 989); and the General Conformity Rule (GCR, 40 CFR 93 Subpart B). This report provides a summary of the ACAM analysis.

a. Action Location:

Base: TULSA INT'L AIRPORT
State: Oklahoma
County(s): Tulsa
Regulatory Area(s): NOT IN A REGULATORY AREA

b. Action Title: Tulsa Installation Development Plan Environmental Assessment

c. Project Number/s (if applicable):

d. Projected Action Start Date: 1 / 2020

e. Action Description:

The proposed projects include a list of new construction, renovation, demolition, and O&M projects.

f. Point of Contact:

Name: Jennifer Miller
Title: Chief, Environmental Engineering
Organization: USACE Chicago
Email: jennifer.miller@usace.army.mil
Phone Number: 312-259-6826

2. Air Impact Analysis: Based on the attainment status at the action location, the requirements of the General Conformity Rule are:

_____ applicable
__X__ not applicable

Total net direct and indirect emissions associated with the action were estimated through ACAM on a calendar-year basis for the start of the action through achieving "steady state" (i.e., net gain/loss upon action fully implemented) emissions. The ACAM analysis used the latest and most accurate emission estimation techniques available; all algorithms, emission factors, and methodologies used are described in detail in the USAF Air Emissions Guide for Air Force Stationary Sources, the USAF Air Emissions Guide for Air Force Mobile Sources, and the USAF Air Emissions Guide for Air Force Transitory Sources.

"Insignificance Indicators" were used in the analysis to provide an indication of the significance of potential impacts to air quality based on current ambient air quality relative to the National Ambient Air Quality Standards (NAAQSs). These insignificance indicators are the 250 ton/yr Prevention of Significant Deterioration (PSD) major source threshold for actions occurring in areas that are "Clearly Attainment" (i.e., not within 5% of any NAAQS) and the GCR de minimis values (25 ton/yr for lead and 100 ton/yr for all other criteria pollutants) for actions occurring in areas that are "Near Nonattainment" (i.e., within 5% of any NAAQS). These indicators do not define a significant impact; however, they do provide a threshold to identify actions that are insignificant. Any action with net emissions below the insignificance indicators for all criteria pollutant is considered so insignificant that the action will not cause or contribute to an exceedance on one or more NAAQSs. For further detail on insignificance indicators see chapter 4 of the Air Force Air Quality Environmental Impact Analysis Process (EIAP) Guide, Volume II - Advanced Assessments.

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The action's net emissions for every year through achieving steady state were compared against the Insignificance Indicator and are summarized below.

Analysis Summary:

2020

Pollutant	Action Emissions (ton/yr)	INSIGNIFICANCE INDICATOR	
		Indicator (ton/yr)	Exceedance (Yes or No)
NOT IN A REGULATORY AREA			
VOC	0.009	100	No
NOx	0.053	100	No
CO	0.061	250	No
SOx	0.000	250	No
PM 10	0.003	250	No
PM 2.5	0.003	250	No
Pb	0.000	25	No
NH3	0.000	250	No
CO2e	9.7		

2021

Pollutant	Action Emissions (ton/yr)	INSIGNIFICANCE INDICATOR	
		Indicator (ton/yr)	Exceedance (Yes or No)
NOT IN A REGULATORY AREA			
VOC	0.958	100	No
NOx	4.356	100	No
CO	4.715	250	No
SOx	0.011	250	No
PM 10	16.677	250	No
PM 2.5	0.191	250	No
Pb	0.000	25	No
NH3	0.003	250	No
CO2e	1127.7		

2022

Pollutant	Action Emissions (ton/yr)	INSIGNIFICANCE INDICATOR	
		Indicator (ton/yr)	Exceedance (Yes or No)
NOT IN A REGULATORY AREA			
VOC	0.280	100	No
NOx	2.104	100	No
CO	1.831	250	No
SOx	0.024	250	No
PM 10	0.118	250	No
PM 2.5	0.112	250	No
Pb	0.000	25	No
NH3	0.001	250	No
CO2e	387.2		

2023

Pollutant	Action Emissions (ton/yr)	INSIGNIFICANCE INDICATOR	
		Indicator (ton/yr)	Exceedance (Yes or No)
NOT IN A REGULATORY AREA			
VOC	0.584	100	No

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NOx	4.088	100	No
CO	3.492	250	No
SOx	0.031	250	No
PM 10	40.184	250	No
PM 2.5	0.174	250	No
Pb	0.000	25	No
NH3	0.003	250	No
CO2e	1061.5		

2024

Pollutant	Action Emissions (ton/yr)	INSIGNIFICANCE INDICATOR	
		Indicator (ton/yr)	Exceedance (Yes or No)
NOT IN A REGULATORY AREA			
VOC	0.255	100	No
NOx	1.834	100	No
CO	1.747	250	No
SOx	0.024	250	No
PM 10	0.135	250	No
PM 2.5	0.089	250	No
Pb	0.000	25	No
NH3	0.001	250	No
CO2e	427.7		

2025

Pollutant	Action Emissions (ton/yr)	INSIGNIFICANCE INDICATOR	
		Indicator (ton/yr)	Exceedance (Yes or No)
NOT IN A REGULATORY AREA			
VOC	0.695	100	No
NOx	4.497	100	No
CO	5.467	250	No
SOx	0.034	250	No
PM 10	2.824	250	No
PM 2.5	0.189	250	No
Pb	0.000	25	No
NH3	0.004	250	No
CO2e	1425.3		

2026

Pollutant	Action Emissions (ton/yr)	INSIGNIFICANCE INDICATOR	
		Indicator (ton/yr)	Exceedance (Yes or No)
NOT IN A REGULATORY AREA			
VOC	0.878	100	No
NOx	2.745	100	No
CO	3.135	250	No
SOx	0.028	250	No
PM 10	0.311	250	No
PM 2.5	0.133	250	No
Pb	0.000	25	No
NH3	0.002	250	No
CO2e	904.7		

2027 - (Steady State)

Pollutant	Action Emissions (ton/yr)	INSIGNIFICANCE INDICATOR

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		Indicator (ton/yr)	Exceedance (Yes or No)
NOT IN A REGULATORY AREA			
VOC	0.056	100	No
NOx	1.004	100	No
CO	0.452	250	No
SOx	0.022	250	No
PM 10	0.061	250	No
PM 2.5	0.061	250	No
Pb	0.000	25	No
NH3	0.000	250	No
CO2e	350.1		

None of estimated annual net emissions associated with this action are above the insignificance indicators, indicating no significant impact to air quality.Therefore, the action will not cause or contribute to an exceedance on one or more NAAQSs.No further air assessment is needed.

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Jennifer Miller, Chief, Environmental Engineering

01/26/2021
DATE