

EMP Action Items - FY Q1 2020				Notes
Air Emissions - High Priority				
Met on February 20, 2020: T. Meyer, M. Simko, M. Culver, K. Yargus, K. Moxley, M. Morgan				844-467-6272 109753#
Objective: Reduce air emissions, their impacts, and maintain compliance with existing permits and regulations				
Target:				
1) Report on Greenhouse Gas Emissions consistent with EO 13834				reduction in Scope 1 and scope 2 GHG from FY 2008 baseline The new EO 13834 does not require a specific target. NASA indicated in our 2019 Plan that we would "... continue reducing GHG emissions through life-cycle cost-effective strategies." Our only requirement with the new EO is to track our annual progress or Scope 1 and 2 GHG. NASA will also continue to track Scope 3 GHG emissions through the commuter surveys.
2) Report use of Ozone Depleting and Global Warming Substances (ODGWS)				
3) Report use and generation of Hazardous Air Pollutants				
4) Report generation of Criteria Pollutant Emissions consistent with State Operating Permit (SOP)				
5) Increase WFF awareness of air permit requirements				
6) Monitor changes (or proposed changes) to air regulations that may affect WFF operations or permits				
Actions	Start	Completion/ Ongoing	Responsibility	
1) Report on Greenhouse Gas Emissions consistent with EO 13834	FY Q1 2010	FY Q4 2025	K Moxley M. Culver	
a) Research, monitor, and deliver GHG Scope 1, 2, and 3 data to HQ as requested	FY Q3 2010	Ongoing	K Moxley M. Culver	No requests received
b) Research employee vehicle plug-in program for POVs	FY Q2 2016	FY Q4 2020	K. Busquets	
c) Install government vehicle charging stations	FY Q2 2016	FY Q4 2020	K. Busquets	May be included with WFF solar project Phase II
2) Report use of Ozone Depleting and Global Warming Substances (ODGWS)	FY Q3 2010	FY Q4 2020	K Moxley M. Culver	
a) Identify ODGWS use at WFF, track phase-out status, and assist users in identifying replacements.	FY Q1 2019	FY Q4 2020	K Moxley M. Culver	Expand awareness to Code 800 and 200. Document outreach.

b) Complete NETS ODGWS data call	FY Q2 2020	FY Q2 2020	K Moxley M. Culver	
3) Report use and generation of Hazardous Air Pollutants consistent with SOPs.	FY Q1 2011	FY Q4 2020	K Moxley	
a) Complete annual HAP inventory to determine need for RMP.	FY Q2 2020	FY Q2 2020	K Moxley M. Culver	
4) Report generation of Criteria Pollutant Emissions consistent with SOPs, NSPS, and RICE NESHAP regs.	FY Q1 2016	FY Q4 2020	K Moxley	
a) Investigate alternative methods, fuels, or equipment to further reduce criteria pollutant emissions.	FY Q3 2013	FY Q4 2020	K Moxley M. Culver	Fuel cells, solar, UPS power supply as alternative to generators, geothermal, natural gas
b) Lower the emission limits in current WI permit to become a synthetic minor 79.	FY Q3 2015	FY Q2 2020 Closed	K Moxley M. Culver	Code 250 Mgmt decided not to proceed with lowering the emission limit
c) Monitor progress on RICE NESHAP compliance, NSE status, infrastructure upgrade.	FY Q2 2018	FY Q4 2020	TJ Meyer M. Culver , M. Morgan, S. Mariner	Received a NON letter in December 2019. NASA WFF sent a response saying that WFF would be in compliance in 2020. Code 800 developed a procedure that reduces run times.
5) Increase WFF awareness of air permit requirements	FY Q3 2010	FY Q4 2020	K Moxley M. Culver	
a) Collect monthly records and document rolling 12 month emissions data	FY Q1 2019	FY Q4 2020	K Moxley M. Culver	Reports complete through 1/20
b) Periodically communicate through newsletters and poster sessions	FY Q1 2019	FY Q4 2020	K Moxley M. Culver	Aug 2019 newsletter article
c) Annual tenant air permit review	FY Q1 2019	FY Q4 2020	K Moxley M. Culver	NEPA has contacts for air. Gregg Frostrom (NOAA), Debbie Ryon (NAVY), Daryl Moore (MARS), Mick Hurney or John McWilliams (FMB), Philip Smith (Code 802)
d) Periodically meet with tenant partners to ensure consistency of air permits	FY Q1 2019	FY Q4 2020	K Moxley M. Culver	
e) Submit annual emissions data to VDEQ	FY Q2 2019	FY Q3 2020	K Moxley M. Culver	due April 15
f) Inspect, inventory, and verify all emission sources on the island and main base.	FY Q3 2019	FY Q4 2020	K Moxley M. Culver	
g) Maintain inventory in EPIMS database.	FY Q1 2019	FY Q4 2020	K Moxley M. Culver	
6) Monitor changes (or proposed changes) to air regulations that may affect WFF operations or permits	FY Q1 2019	FY Q4 2020	K Moxley M. Culver	

NASA Lead _____
 Contract Lead _____
 EMS Support _____

a) Monitor RRAC regulatory updates and notices; convey information to stakeholders as needed	FY Q1 2019	FY Q4 2020	K Moxley M. Culver	
Resources:				
Time: Annual				
People: planned 1.0 actual 0.5 NASA FTE /planned 0.5 actual 0.2 LJT WYE				
Money: approx. \$5,000 for Main Base and Island permit updates and fees annually through Code 228 funding				
Clean Air Act Training - approx \$2,500				
Required Training:				
Monitoring and Measurement:				
Review logbooks, inventory ODGWSs				
Annual inspection of tenant sources				
Conduct equipment inventory				
Records:				
Copies of air permits, air emissions reports, monthly fuel usage report, annual fuel logs				
Fuel delivery SOP and fuel tickets/certifications				