



National Aeronautics and  
Space Administration

**Principal Center for Regulatory Risk Analysis and Communication**

# Regulatory Tracking Summary

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*07 October 2016*

This report summarizes regulatory items reviewed by the NASA RRAC PC and includes items with direct applicability to NASA facilities and operations, as well as items of general interest. Notes and comments by the RRAC PC are shown in bold, blue text under "Description." Related documents and citations, such as "81 FR 51967," are linked to the appropriate document for quick access. Suggested follow-up actions are noted with significant items; users are advised that other follow-up actions may be appropriate for their program or facility.

Members of the NASA stakeholder community who are interested in receiving regulatory updates and alerts by e-mail may self-enroll at <https://lists.nasa.gov/mailman/listinfo/rrac>. Previous issues of this regulatory summary and other materials are archived on the RRAC PC website at <http://www.nasa.gov/offices/rrac/home/>.

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## Acronyms and Abbreviations

AAC = Alabama Administrative Code	O <sub>3</sub> = Ozone
AB = Assembly Bill	OAC = Ohio Administrative Code
ACE17 = Annual Conference and Exposition	OEHHA = Office of Environmental Health Hazard Assessment
AQMP = Air Quality Management Plan	OSHA = Occupational Safety and Health Administration
ARB = California Air Resources Board	PAL = Plantwide Applicability Limitation
AWWA = American Water Works Association	PBS = Plum Brook Station
BAAQMD = Bay Area Air Quality Management District	PM = Particulate matter
BACT = Best Available Control Technology	PM <sub>10</sub> = Particulate matter having an aerodynamic equivalent diameter of 10 microns or less
BBDR = Biologically Based Dose-Response	PM <sub>2.5</sub> = Particulate matter having an aerodynamic equivalent diameter of 2.5 microns or less
CASAC = Clean Air Scientific Advisory Committee	PPE = Personal protection equipment
CCR = <i>California Code of Regulations</i>	PSD = Prevention of Significant Deterioration
CEMS = Continuous emissions monitoring system	PTE = Potential to emit
CEQA = California Environmental Quality Act	PTI = Permit to Install
CFR = <i>Code of Federal Regulations</i>	PTIO = Permit to Install and Operate
CO <sub>2e</sub> = Carbon dioxide equivalent	RACT = Reasonably available control technology
CoR = Communities of Research	RBCA = Risk-Based Corrective Action
CRNR = <i>California Regulatory Notice Register</i>	RDX = Hexahydro-1,3,5-trinitro-1,3,5-triazine
DAPC = Division of Air Pollution Control	RIN = Regulatory Identification Number
DEP = Department of Environmental Protection	RRAC PC = Principal Center for Regulatory Risk Analysis and Communication
DOE = Department of Energy	SCAQMD = South Coast Air Quality Management District
DSW = Division of Surface Water	SER = Significant emissions rate
EKAPCD = Eastern Kern Air Pollution Control District	SIP = State Implementation Plan
EPA = U.S. Environmental Protection Agency	SO <sub>2</sub> = Sulfur dioxide
EPFOL = El Paso Forward Operation Location	SO <sub>x</sub> = Sulfur oxides
ESA = Endangered Species Act	SORE = Small Off-Road Engine Regulations
EU = European Union	SW-846 = Test Methods for Evaluating Solid Waste, Physical/Chemical Methods Manual
F.A.C. = Florida Administrative Code	TAC = Texas Administrative Code
FAR = Florida Administrative Register	TexReg = <i>Texas Register</i>
FEIS = Final Environmental Impact Statement	tpy = Tons per year
FR = <i>Federal Register</i>	TSCA = Toxic Substances Control Act
GHG = Greenhouse gas	UDEQ = Utah Department of Environmental Quality
GHGRP = Greenhouse Gas Reporting Program	U.S. = United States
GRC = Glenn Research Center	UST = Underground storage tank
HGB = Houston-Galveston-Brazoria	UT = Utah
hp = Horsepower	VCAPCD = Ventura County Air Pollution Control District
IRIS = Integrated Risk Information System	VOC = Volatile organic compound
MATS = Mercury and Air Toxics Standards	WHO = World Health Organization
NAAQS = National Ambient Air Quality Standards	
nanoEHS = Nanomaterial Environmental, Health, and Safety	
NASA = National Aeronautics and Space Administration	
NESHAP = National Emission Standards for Hazardous Air Pollutants	
NO <sub>2</sub> = Nitrogen dioxide	
NPDES = National Pollutant Discharge Elimination System	

# 1.0 U.S. Federal Regulatory Review

## 1.1 Federal Register Summary

This summary includes FR items that were reviewed for potential impacts to NASA Centers and related operations.

Tracking Number	Subject	Date Published	Citation	Type Action	Description
FED100716-1	Air GHGs	10/03/2016	<a href="#">81 FR 68110</a> <a href="#">HTML</a>   <a href="#">PDF</a>	Proposed Rule	<p>U.S. Environmental Protection Agency</p> <p>Revisions to the Prevention of Significant Deterioration (PSD) and Title V Greenhouse Gas (GHG) Permitting Regulations and Establishment of a Significant Emissions Rate (SER) for GHG Emissions Under the PSD Program [40 CFR Parts 51-52, 60, and 70-71]</p> <p>Proposes to revise the following:</p> <ul style="list-style-type: none"> <li>▪ Definitions in PSD and Title V regulations</li> <li>▪ PSD provisions on GHG PALs</li> <li>▪ Various provisions to ensure that PSD or Title V rules do not require a source to obtain a permit based solely on GHG PTE</li> </ul> <p>Also proposes a SER of 75,000 tpy CO<sub>2</sub>e for GHGs under the PSD program that would establish a threshold below which BACT is not required for GHG emissions. Comments due 12/02/2016. [RIN 2060-AS62]</p>
FED100716-2	Air NAAQS	09/29/2016	<a href="#">81 FR 66823</a> <a href="#">HTML</a>   <a href="#">PDF</a>	Final Rule Withdrawal	<p>U.S. Environmental Protection Agency</p> <p>Technical Correction to the National Ambient Air Quality Standards for Particulate Matter [40 CFR Part 50]</p> <p>Withdraws direct final rule (<a href="#">81 FR 53006</a>, 08/11/2016) due to adverse comments received. Effective 09/29/2016.</p>
FED100716-3	Air NAAQS - NO <sub>2</sub>	10/04/2016	<a href="#">81 FR 68414</a> <a href="#">HTML</a>   <a href="#">PDF</a>	Notice Meeting	<p>U.S. Environmental Protection Agency</p> <p>Notification of a Public Meeting of the Clean Air Scientific Advisory Committee (CASAC) Oxides of Nitrogen Primary NAAQS Review Panel</p> <p>Announces a meeting to peer review the draft <a href="#">Policy Assessment for the Review of the Primary NAAQS for Nitrogen Dioxide</a>. Meeting scheduled to begin 11/09/2016 in Alexandria, Virginia.</p>
FED100716-4	Air NAAQS - O <sub>3</sub>	10/03/2016	<a href="#">81 FR 68216</a> <a href="#">HTML</a>   <a href="#">PDF</a>	Final Rule	<p>U.S. Environmental Protection Agency</p> <p>Treatment of Data Influenced by Exceptional Events [40 CFR Parts 50 and 51]</p> <p>Finalizes revisions to the 2007 Exceptional Events Rule for the exclusion of event-affected air quality data from regulatory decisions. Also announces availability of the final document, "<a href="#">Guidance on the Preparation of Exceptional Events Demonstrations for Wildfire Events that May Influence Ozone Concentrations</a>." Effective 09/30/2016. [RIN 2060-AS02]</p>
FED100716-5	Air NESHAP	09/29/2016	<a href="#">81 FR 67062</a> <a href="#">HTML</a>   <a href="#">PDF</a>	Proposed Rule	<p>U.S. Environmental Protection Agency</p> <p>Mercury and Air Toxics Standards (MATS) Completion of Electronic Reporting Requirements [40 CFR Part 63]</p> <p>Proposes to amend MATS electronic reporting requirements to consolidate reporting into a single reporting system for electric utility steam-generating unit operators who use performance stack testing or CEMS to demonstrate compliance. Comments due 10/31/2016. [RIN 2060-AS75]</p> <p><b>This proposed rule does not include any new continuous monitoring requirements.</b></p>

Tracking Number	Subject	Date Published	Citation	Type Action	Description
FED100716-6	Natural Resources	10/07/2016	<a href="#">81 FR 69779 HTML</a>   <a href="#">PDF</a>	Notice	<p>U.S. Department of Agriculture</p> <p>Notice of Proposed Changes to the National Handbook of Conservation Practices for the Natural Resources Conservation Service</p> <p>Announces availability of <a href="#">proposed revisions</a> to conservation practice standards in the National Handbook of Conservation Practices, including the following standards:</p> <ul style="list-style-type: none"> <li>▪ Brush Management</li> <li>▪ Herbaceous Weed Treatment</li> <li>▪ Lined Waterway or Outlet</li> <li>▪ Restoration of Rare or Declining Natural Communities</li> </ul> <p>Effective 10/07/2016. Comments due 11/07/2016.</p> <p><b>These standards are intended for state conservationists, but are a good resource of "best practices" for NASA to consider.</b></p>
FED100716-7	Occupational Safety	10/04/2016	<a href="#">81 FR 68504 HTML</a>   <a href="#">PDF</a>	Proposed Rule	<p>Occupational Safety and Health Administration</p> <p>Standards Improvement Project - Phase IV [29 CFR Parts 1904, 1910, 1915, and 1926]</p> <p>Proposes to update rules to remove or revise outdated, duplicative, unnecessary, and inconsistent requirements as part of the ongoing Standards Improvement Project. Comments due 12/05/2016. [RIN 1218-AC67]</p> <p><b>Phase IV of the project focuses on OSHA's construction standards.</b></p>
FED100716-8	Occupational Safety PPE	10/07/2016	<a href="#">81 FR 69740 HTML</a>   <a href="#">PDF</a>	Proposed Rule	<p>Occupational Safety and Health Administration</p> <p>Additional PortaCount® Quantitative Fit-Testing Protocols: Amendment to Respiratory Protection Standard [29 CFR Part 1910]</p> <p>Proposes to add two modified fit-testing protocols to OSHA's Respiratory Protection Standard. Comments due 12/06/2016. [RIN 1218-AC94]</p> <p><b>The proposed protocols would apply to employers in sectors including general industry and the construction industry.</b></p>
FED100716-9	Species	09/27/2016	<a href="#">81 FR 66461 HTML</a>   <a href="#">PDF</a>	Final Rule	<p>U.S. Fish and Wildlife Service</p> <p>Endangered and Threatened Wildlife and Plants; Revisions to the Regulations for Petitions [50 CFR Part 424]</p> <p>Finalizes revisions to the ESA petitioning process, including clarifications to public submission guidelines and petition requirements. Effective 10/27/2016. [RIN 1018-BA53; 0648-BF06]</p>
FED100716-10	Technology Nanomaterials	09/27/2016	<a href="#">81 FR 66314 HTML</a>   <a href="#">PDF</a>	Notice Meeting	<p>Office of Science and Technology Policy</p> <p>U.S. - EU Communities of Research on Environmental, Health, and Safety Issues Related to Nanomaterials; Notice of Public Meetings</p> <p>Announces intent to hold multiple meetings to discuss topics related to nanoEHS. Meetings will be held periodically through 09/30/2017.</p> <p><b>Meeting dates will be announced on the CoR's website.</b></p>
FED100716-11	Toxic Substances RDX	09/29/2016	<a href="#">81 FR 66961 HTML</a>   <a href="#">PDF</a>	Notice Meeting	<p>U.S. Environmental Protection Agency</p> <p>Notification of a Public Teleconference and Meeting of the Science Advisory Board Chemical Assessment Advisory Committee Augmented for the Review of EPA's Draft Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) IRIS Assessment</p> <p>Announces meetings to discuss the draft <a href="#">Toxicological Review of RDX</a>. Teleconference is scheduled for 11/17/2016. Meeting is scheduled to begin 12/12/2016 in Washington, D.C.</p>
FED100716-12	Transportation	10/05/2016	<a href="#">81 FR 69189 HTML</a>   <a href="#">PDF</a>	Notice Meeting	<p>U.S. Department of Transportation</p> <p>Meeting Notice – U.S. Maritime Transportation System National Advisory Committee</p> <p>Announces a meeting to discuss topics related to the maritime transportation system. Meeting is scheduled to begin 10/18/2016 in St. Louis, Missouri.</p>
FED100716-13	Waste Solid Waste	09/27/2016	<a href="#">81 FR 66272 HTML</a>   <a href="#">PDF</a>	Notice	<p>U.S. Environmental Protection Agency</p> <p>Notice of New Streamlined Approval Process for Non-Regulatory Methods in SW-846</p> <p>Announces future non-regulatory updates to SW-846 will occur through website postings and email communication, rather than <i>Federal Register</i> publication.</p> <p><b>Guidance methods beginning with Update VI to SW-846 will use the new process.</b></p>

Tracking Number	Subject	Date Published	Citation	Type Action	Description
FED100716-14	Water Drinking Water	09/30/2016	<a href="#">81 FR 67350 HTML</a>   <a href="#">PDF</a>	Notice	U.S. Environmental Protection Agency Request for Public Comments To Be Sent to EPA on Peer Review Materials To Inform the Safe Drinking Water Act Decision Making on Perchlorate Solicits comments on the draft <a href="#">BBDR model and report</a> to support development of the national primary drinking water regulation for perchlorate. Comments due 11/14/2016.

## 1.2 Other News and Developments

### 1.2.1 Reporting Year 2015 Greenhouse Gas Reporting Program Data

On 04 October 2016, the United States (U.S.) Environmental Protection Agency (EPA) [released](#) the 2015 Greenhouse Gas Reporting Program (GHGRP) data, which include the emissions of facilities that emit at least 25,000 metric tons of carbon dioxide equivalent (CO<sub>2</sub>e) per year, inject carbon dioxide into the ground, or supply certain fossil fuels and industrial gasses. Data from these facilities show that in 2015, 3.05 billion metric tons of CO<sub>2</sub>e emissions were reported, a 4.9 percent decrease from 2014. Additional information regarding the GHGRP, reporting year 2015 data, and historical data are available on EPA's [website](#).

### 1.2.2 IRIS Updates

EPA recently published final Integrated Risk Information System ([IRIS](#)) assessments for [ammonia](#) and [trimethylbenzenes](#). IRIS is a human health assessment program that evaluates information about the potential health effects associated with exposure to various environmental contaminants or hazardous substances.

### 1.2.3 Technical Review of Legionella Control Techniques

EPA's Office of Water recently [released](#) a [technical review](#) of strategies to control legionella in industrial and commercial premise plumbing systems. The document presents preventive and emergency control strategies that may be employed in buildings with complex plumbing systems, including water management programs, hazard analysis and critical control points, water safety plans, and industrial hygiene principles. Bacterial legionella is found in aquatic and moist environments and inhalation may lead to development of legionellosis.

### 1.2.4 DOE Report on Clean Technology Deployment

On 28 September 2016, the U.S. Department of Energy (DOE) [released](#) an annual update to [Revolution...Now](#). The report describes the economic and technical implementation status for wind turbines, solar technology, electric vehicles, and light-emitting diodes. Also discussed are several emerging technologies, including fuel cells, grid-connected batteries, energy management systems, and 3-D printing, along with the status of their economic and technical implementation. A fact sheet is also [available](#).

### 1.2.5 AWWA Annual Conference and Exposition

The American Water Works Association (AWWA) will host its 2017 Annual Conference and Exposition ([ACE17](#)) on 11 June through 14 June 2017 in Philadelphia, Pennsylvania. ACE17 will focus on the following water and wastewater-related topics:

- Design and construction
- Conservation and efficiency
- Recent research and other efforts

### **1.2.6 WHO Air Quality Model**

On 27 September 2016, the World Health Organization (WHO) [released](#) the results of a new air quality model that demonstrates 92 percent of the world's population lives in areas that exceed WHO's air quality guideline for particulate matter with a diameter less than 2.5 micrometers (PM<sub>2.5</sub>). [New maps](#) accompany the model and present focus areas where PM<sub>2.5</sub> concentrations are significantly high.

### **1.2.7 Public Meeting for Draft Algae Guidance for the Preparation of TSCA Biotech Submissions**

On 05 October 2016, EPA [announced](#) availability of [draft guidance](#) pertaining to biotechnology submissions under the Toxic Substances Control Act ([TSCA](#)). This draft guidance addresses the use of genetically engineered algae and bacteria in industrial applications. Additionally, EPA will host a public meeting on 27 October 2016 in Tempe, Arizona, to accept comments on the draft guidance.

## **1.3 NASA Regulatory Communication Working Group Updates**

The next Regulatory Communication Working Group call will be held on Wednesday, 19 October 2016, at 10:00 a.m. Central Time.

## 2.0 State Regulatory Reviews

The following sections provide details about the regulatory actions reviewed for selected states in which NASA facilities and related operations are located.

### 2.1 Alabama State Regulatory Review

This summary includes items that were reviewed for potential impacts to NASA Centers and related operations in [Alabama](#).

Tracking Number	Subject	Date Published	Citation	Type Action	Description
AL100716-1	Water Water Quality	09/25/2016	<a href="#">Public Notice #210</a>	Notice Hearing	Alabama Department of Environmental Management Water Quality Program [AAC 335-6] Announces a hearing to discuss proposed amendments to incorporate federal NPDES Electronic Reporting Rule requirements and various administrative changes. <a href="#">Proposed rules</a> and <a href="#">summary of reasons</a> are available for review. Hearing is scheduled for 11/10/2016 in Montgomery, Alabama.
AL100716-2	Water Water Quality	09/25/2016	<a href="#">Public Notice #214</a>	Notice Hearing	Alabama Department of Environmental Management Water Quality Program [AAC 335-6] Announces a hearing to discuss revising water quality criteria and establishing standards of quality for surface waters of the State. <a href="#">Proposed rules</a> and <a href="#">summary of reasons</a> are available for review. Hearing is scheduled for 11/10/2016 in Montgomery, Alabama.

### 2.2 California State Regulatory Review

This summary includes items that were reviewed for potential impacts to NASA Centers and related operations in [California](#).

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
CA100716-1	Air Emissions	09/30/2016	<a href="#">CRNR 2016, 40z, p. 1759</a>	Proposed Rule Hearing	California Air Resources Board Proposed Amendments to the Evaporative Emission Requirements for Small Off-Road Engines [13 CCR 2750-2774] Proposes <a href="#">amendments</a> to SORE regulations that would: <ul style="list-style-type: none"> <li>Subject design-certified SORE to diurnal emission standards</li> <li>Reduce the number of SORE engine units needed to be tested before ARB can take enforcement action from five to one</li> <li>Require recertification of evaporative components every 4 years</li> <li>Require the use of 10 percent ethanol fuel for certification testing to reflect motor vehicle fuel currently available</li> </ul> Hearing is scheduled for 11/17/2016 in Sacramento, California. Comments due 11/14/2016. <a href="#">SORE regulations control exhaust and evaporative emissions from spark-ignited equipment rated at or below 25 hp. Additional information is available on ARB's website.</a>
CA100716-2	Occupational Safety	09/30/2016	<a href="#">CRNR 2016, 40z, p. 1779</a>	Final Rule	Department of Industrial Relations Repeat Violations [8 CCR 334] Finalizes amendments to regulations addressing repeat violations of employee health and safety requirements, including: <ul style="list-style-type: none"> <li>Eliminating the current geographic restrictions for issuing a "Repeat" citation</li> <li>Revising the starting time for calculating the look-back period for a "repeat" violation</li> </ul> Effective 01/01/2017.
CA100716-3	Cultural Resources	10/07/2016	<a href="#">CRNR 2016, 41z, p. 1830</a>	Final Rule	California Natural Resources Agency Amended Guidelines Implementing the California Environmental Quality Act - Tribal Cultural Resources [14 CCR 21083.09] Finalizes amendments to the checklist provided in Appendix G of the CEQA guidelines to address tribal cultural resources through consultation with California Native American Tribes and analysis of potential impacts to tribal cultural resources. Effective 09/27/2016.

[NASA's California Centers](#) should be aware of this action.

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
CA100716-4	Toxic Substances Proposition 65 - Furfuryl Alcohol	09/30/2016	<a href="#">OEHHA Website</a>	Final Rule	Office of Environmental Health Hazard Assessment Furfuryl Alcohol Listed Effective 09/30/2016 as Known to the State of California to Cause Cancer [27 CCR 25306] Finalizes listing of furfuryl alcohol as known to the State to cause cancer under the authoritative bodies listing mechanism. Effective 09/30/2016. <b>Furfuryl alcohol may be used as a hypergol and in industrial applications such as production of certain resins and paint strippers.</b>
CA100716-5	Waste	10/07/2016	<a href="#">CRNR 2016, 41z, p. 1830</a>	Final Rule	California Department of Resources Recycling and Recovery Electronic Waste Recycling Fees [14 CCR 18660.40] Finalizes <a href="#">amendments</a> to recycling and recovery fees paid by consumers on purchases of electronic devices containing video screens. Effective 09/23/2016. <b>Final amendments are applicable to government agencies.</b>

## 2.2.1 California Air Districts Regulatory Review

### 2.2.1.1 Antelope Valley Air Quality Management District

No regulatory items of interest were identified during this reporting period for the [Antelope Valley Air Quality Management District](#).

### 2.2.1.2 Bay Area Air Quality Management District

This summary includes items that were reviewed for potential impacts to NASA Centers and related operations in the Bay Area Air Quality Management District ([BAAQMD](#)).

#### Bay Area Commuter Benefits Program

On 27 September 2016, BAAQMD [announced](#) the passage of Senate Bill 1128, which allows BAAQMD and the Metropolitan Transportation Commission to jointly continue the Bay Area Commuter Benefits Program. The Program requires employers with 50 or more full-time employees in the Bay Area to offer incentives to employees to use commuting strategies other than single-occupant vehicles. The goal of the program is to reduce greenhouse gas emissions and traffic congestion.

### 2.2.1.3 Eastern Kern Air Pollution Control District

This summary includes items that were reviewed for potential impacts to NASA Centers and related operations in the [Eastern Kern Air Pollution Control District](#).

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
CAE100716-1	Air NAAQS - O <sub>3</sub>	10/03/2016	<a href="#">EKAPCD Website</a>	Notice Workshop	Eastern Kern Air Pollution Control District 2008 8-Hour Ozone Public Workshop Announces a workshop to discuss strategies for attainment of the 2008 8-Hour Ozone NAAQS. Workshop is scheduled for 10/12/2016 in Mojave, California. Comments due 11/11/2016.
CAE100716-2	Air SIP	10/03/2016	<a href="#">EKAPCD Website</a>	Notice Hearing	Eastern Kern Air Pollution Control District Proposal to Rescind Rule 111 - Equipment Breakdowns Announces a hearing to discuss the proposal to rescind <a href="#">Rule 111</a> from the SIP. Hearing is scheduled for 11/10/2016 in Ridgecrest, California. Comments due 11/07/2016.

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
CAE100716-3	Air Toxics	10/06/2016	<a href="#">EKAPCD Website</a>	Notice Hearing	<p>Eastern Kern Air Pollution Control District</p> <p>EKAPCD Annual Air Toxics Information and Assessment Act (AB2588) Annual Report</p> <p>Announces a hearing to discuss the District's <a href="#">Annual Air Toxics Information and Assessment Act (AB2588) Annual Report</a>. Hearing is scheduled for 11/10/2016 in Ridgecrest, California. Comments due 11/04/2016.</p> <p><b>The report includes a description of the air toxics program, toxic control measures, and facility identification and ranking according to the cancer risk posed by its toxic air pollutant emissions.</b></p>

**2.2.1.4 Mojave Desert Air Quality Management District**

No regulatory items of interest were identified during this reporting period for the [Mojave Desert Air Quality Management District](#).

**2.2.1.5 South Coast Air Quality Management District**

This summary includes items that were reviewed for potential impacts to NASA Centers and related operations in the [South Coast Air Quality Management District](#).

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description							
CAS100716-1	Air	10/03/2016	<a href="#">SCAQMD Website</a>	Notice Hearing	<p>South Coast Air Quality Management District</p> <p>2016 Air Quality Management Plan</p> <p><a href="#">Announces</a> hearings to discuss the draft <a href="#">2016 AQMP</a>, including the following topics:</p> <ul style="list-style-type: none"> <li>▪ Health impacts report on PM</li> <li>▪ Air quality standards for multiple NAAQS</li> <li>▪ Current air quality and control strategies</li> <li>▪ Updated emission inventories</li> <li>▪ Attainment designations for the revoked 1-hour and 8-hour 1997 Ozone NAAQS</li> <li>▪ Preliminary Draft Socioeconomic Report</li> </ul> <p>Hearings are scheduled for the following dates and locations:</p> <table border="1"> <thead> <tr> <th>Date</th> <th>Location</th> </tr> </thead> <tbody> <tr> <td>11/15/2016</td> <td>Buena Park, California</td> </tr> <tr> <td rowspan="2">11/17/2016</td> <td>San Bernardino, California</td> </tr> <tr> <td>Riverside, California</td> </tr> </tbody> </table> <p>Comments due 10/21/2016.</p>	Date	Location	11/15/2016	Buena Park, California	11/17/2016	San Bernardino, California	Riverside, California
Date	Location											
11/15/2016	Buena Park, California											
11/17/2016	San Bernardino, California											
	Riverside, California											
CAS100716-2	Air	10/05/2016	<a href="#">SCAQMD Website</a>	Notice Hearing	<p>South Coast Air Quality Management District</p> <p>Proposed Amended Rule 1325 - Federal PM<sub>2.5</sub> New Source Review Program and Proposed Amended Rule 1302 - Definitions</p> <p><a href="#">Announces</a> a public hearing for the adoption of:</p> <ul style="list-style-type: none"> <li>▪ <a href="#">Proposed Amended Rule 1325</a> to establish major stationary source thresholds for direct PM<sub>2.5</sub> and PM<sub>2.5</sub> precursors and identify VOCs and ammonia as PM<sub>2.5</sub> precursors</li> <li>▪ <a href="#">Proposed Amended Rule 1302</a> to amend major polluting facility SO<sub>x</sub> threshold definitions and make editorial revisions</li> </ul> <p>Hearing is scheduled for 11/04/2016 in Diamond Bar, California. Comments due 10/25/2016.</p> <p><b>Additional information is included in the <a href="#">Draft Staff Report</a>.</b></p>							

### 2.2.1.6 Ventura County Air Pollution Control District

This summary includes items that were reviewed for potential impacts to NASA Centers and related operations in the [Ventura County Air Pollution Control District](#).

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
CAV100716-1	Air Ozone	10/10/2016	<a href="#">VCAPCD Website</a>	Notice Hearing	Ventura County Air Pollution Control District 2016 Air Quality Management Plan <a href="#">Announces</a> a hearing to discuss the <a href="#">Draft 2016 AQMP</a> , which includes the state and local strategy for attaining the 2008 8-hour Ozone NAAQS by 07/20/2021. Hearing is scheduled for 12/13/2016 in Ventura, California. Comments due 11/09/2016.  <a href="#">Additional information is included in the Initial Study/Negative Declaration.</a>

## 2.3 Florida State Regulatory Review

This summary includes items that were reviewed for potential impacts to NASA Centers and related operations in the [Florida](#).

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
FL100716-1	Air SIP	09/30/2016	<a href="#">81 FR 67179 HTML   PDF</a>	Final Rule	U.S. Environmental Protection Agency Air Plan Approval; Florida; Infrastructure Requirements for the 2010 Sulfur Dioxide National Ambient Air Quality Standard [40 CFR Part 52] Finalizes approval of SIP revisions related to infrastructure requirements for the 2010 1-hour SO <sub>2</sub> NAAQS. Effective 10/31/2016.
FL100716-2	Emergency Response	09/27/2016	<a href="#">FAR Notice #18054627</a>	Final Rule	Department of Environmental Protection Public Notice of Pollution [Chapter 62-4.161, F.A.C.] <a href="#">Finalizes</a> emergency rule to require owners and operators of any installation to: <ul style="list-style-type: none"> <li>▪ Provide notice within 24 hours to the Department, local government officials, and the public whenever there is an incident or discovery of pollution at an installation</li> <li>▪ Provide a subsequent notice within 48 hours that describes any potentially affected areas beyond the property boundary of the installation and the potential risk to public health, safety, or welfare</li> <li>▪ Notify the Department, local government officials, and the property owner within 24 hours of becoming aware that pollution from an installation has affected areas beyond the property boundaries of the installation</li> </ul> Effective 09/27/2016 through 12/26/2016.  <a href="#">Emergency rule is in effect to allow DEP to initiate and proceed with the formal rulemaking process (FL100716-3 and FL100716-4). Additional information is available on DEP's website.</a>
FL100716-3	Emergency Response	09/28/2016	<a href="#">FAR Notice #18062872</a>	Proposed Rule	Department of Environmental Protection Public Notice of Pollution [Chapter 62-4.161, F.A.C.] <a href="#">Proposes</a> to require owners and operators of any installation to: <ul style="list-style-type: none"> <li>▪ Provide notice within 24 hours to the Department, local government officials, and the public whenever there is an incident or discovery of pollution at an installation</li> <li>▪ Provide a subsequent notice within 48 hours that describes any potentially affected areas beyond the property boundary of the installation and the potential risk to public health, safety, or welfare</li> <li>▪ Notify the Department, local government officials, and the property owner within 24 hours of becoming aware that pollution from an installation has affected areas beyond the property boundaries of the installation</li> </ul>

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description										
FL100716-4	Emergency Response	09/30/2016	<a href="#">FAR Notice #18081787</a>	Notice Workshop	Department of Environmental Protection Public Notice of Pollution [Chapter 62-4.161, F.A.C.] Announces the following workshops to discuss and receive public comment on proposed rule Chapter 62-4.161, F.A.C. ( <a href="#">FAR Notice #18062872</a> , 09/28/2016; FL100716-1): <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Date</th> <th>Location</th> </tr> </thead> <tbody> <tr> <td>10/17/2016</td> <td>Temple Terrace, Florida</td> </tr> <tr> <td>10/18/2016</td> <td>West Palm Beach, Florida</td> </tr> <tr> <td>10/20/2016</td> <td>Orlando, Florida</td> </tr> <tr> <td>10/26/2016</td> <td>Jacksonville, Florida</td> </tr> </tbody> </table> Comments due 11/14/2016. <a href="#">Agenda</a> is available for review.	Date	Location	10/17/2016	Temple Terrace, Florida	10/18/2016	West Palm Beach, Florida	10/20/2016	Orlando, Florida	10/26/2016	Jacksonville, Florida
Date	Location														
10/17/2016	Temple Terrace, Florida														
10/18/2016	West Palm Beach, Florida														
10/20/2016	Orlando, Florida														
10/26/2016	Jacksonville, Florida														
FL100716-5	Policy Planning	10/03/2016	<a href="#">FAR Notice #18082854</a>	Notice	Department of Environmental Protection Notice of Publication of 2016-2017 Regulatory Plan Announces the publication of the <a href="#">2016-2017 Regulatory Plan</a> .										
FL100716-6	Remediation RBCA	09/29/2016	<a href="#">FAR Notice #18062387</a>	Notice	Department of Environmental Protection Contaminated Site Cleanup Criteria, Forms [Chapter 62-780.900, F.A.C.] Announces revisions to proposed rule ( <a href="#">FAR Notice #17492318</a> , 09/19/2016) to include Chapter 62-780.900, F.A.C.										
FL100716-7	Water Surface Water	10/04/2016	<a href="#">FAR Website</a>	Final Rule	Department of Environmental Protection Surface Water Quality Standards [Chapter 62-302, F.A.C] Finalizes the following: <ul style="list-style-type: none"> <li>▪ Revised human health-based surface water quality criteria</li> <li>▪ Updated listing methodology for assessing human health-based water quality criteria</li> <li>▪ Revised methodology for identifying impaired surface waters to provide for the assessment of a new sub-classification of waters for Treated Potable Water Supplies (Class I-Treated)</li> </ul> Effective 10/17/2016.										

## 2.4 Louisiana State Regulatory Review

This summary includes items that were reviewed for potential impacts to NASA Centers and related operations in [Louisiana](#).

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
LA100716-1	Air SIP	10/04/2016	<a href="#">81 FR 68322 HTML</a>   <a href="#">PDF</a>	Final Rule	U.S. Environmental Protection Agency Approval and Promulgation of Air Quality Implementation Plans; Louisiana; Infrastructure State Implementation Plan Requirements for the National Ambient Air Quality Standards [40 CFR Part 52] Finalizes SIP revisions related to infrastructure requirements for the following NAAQS: <ul style="list-style-type: none"> <li>▪ 2006 PM<sub>2.5</sub></li> <li>▪ 2008 Lead</li> <li>▪ 2008 Ozone</li> <li>▪ 2010 NO<sub>2</sub></li> <li>▪ 2010 SO<sub>2</sub></li> <li>▪ 2012 PM<sub>2.5</sub></li> </ul> Effective 11/03/2016.

## 2.5 Maryland State Regulatory Review

No regulatory items of interest were identified during this reporting period for [Maryland](#).

## 2.6 Mississippi State Regulatory Review

This summary includes items that were reviewed for potential impacts to NASA Centers and related operations in [Mississippi](#).

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
MS100716-1	Air SIP	09/30/2016	<a href="#">81 FR 67171 HTML</a>   <a href="#">PDF</a>	Final Rule	U.S. Environmental Protection Agency Air Plan Approval; Mississippi; Infrastructure Requirements for the 2010 Sulfur Dioxide National Ambient Air Quality Standard [40 CFR Part 52] Finalizes approval of SIP revisions related to infrastructure requirements for the 2010 1-hour SO <sub>2</sub> NAAQS. Effective 10/31/2016.

## 2.7 New Mexico State Regulatory Review

No regulatory items of interest were identified during this reporting period for [New Mexico](#).

## 2.8 Ohio State Regulatory Review

This summary includes items that were reviewed for potential impacts to NASA Centers and related operations in [Ohio](#).

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
OH100716-1 <b>GRC</b> should be aware of this action.	Air NAAQS - O <sub>3</sub>	09/30/2016	<a href="#">DAPC – What's New</a>	Notice	Division of Air Pollution Control, Ohio Environmental Protection Agency Ohio's Recommended Designation of Nonattainment Area Boundaries for the 2015 Ozone Standard Submitted to USEPA Announces submission of recommended area <a href="#">nonattainment designations</a> for the 2015 Ozone NAAQS, which includes Cleveland, Ohio.
OH100716-2	Air Permitting	09/29/2016	<a href="#">DAPC – What's New</a>	Notice	Division of Air Pollution Control, Ohio Environmental Protection Agency PTI and PTIO Program Rules [OAC 3745-31-01] <a href="#">Solicits</a> input on potential changes to PTI and PTIO program rules that would reflect determination that ammonia and VOCs are not contributors to PM <sub>2.5</sub> emissions. Comments due 10/31/2016.
OH100716-3 <b>PBS</b> should be aware of this action.	Species Eastern Massasauga Rattlesnake	09/30/2016	<a href="#">81 FR 67193 HTML</a>   <a href="#">PDF</a>	Final Rule	U.S. Fish and Wildlife Service Endangered and Threatened Wildlife and Plants; Endangered Species Status for Eastern Massasauga Rattlesnake [50 CFR Part 17] Finalizes listing of the eastern massasauga rattlesnake as a threatened species under the ESA. Effective 10/31/2016. [RIN 1018-BA98] <a href="#">The eastern massasauga rattlesnake is found throughout the Midwest, including Erie County, Ohio.</a>
OH100716-4	Water Water Quality	10/04/2016	<a href="#">DSW – Rules and Laws</a>	Final Rule	Division of Surface Water, Ohio Environmental Protection Agency Section 401 Water Quality Certification Program [OAC 3745-32 and 3745-45] <a href="#">Finalizes</a> amended water quality regulations related to discharges of dredged or fill materials into waters of the state. Effective 01/02/2017.
OH100716-5 <b>GRC</b> should be aware of this action.	Water Water Quality	10/04/2016	<a href="#">DSW – Rules and Laws</a>	Final Rule	Division of Surface Water, Ohio Environmental Protection Agency Beneficial Use Designation Rules [OAC 3745-1] <a href="#">Finalizes</a> revisions to Beneficial Use Designation rules, including rules related to the Rocky River Drainage Basin. Effective 01/02/2017.

## 2.9 Texas State Regulatory Review

This summary includes items that were reviewed for potential impacts to NASA Centers and related operations in [Texas](#).

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
TX100716-1	Air NAAQS - O <sub>3</sub>	09/27/2016	<a href="#">81 FR 66240 HTML</a>   <a href="#">PDF</a>	Proposed Rule	U.S. Environmental Protection Agency Determination of Nonattainment and Reclassification of the Houston-Galveston-Brazoria, Texas Nonattainment Area [40 CFR Part 81] Proposes to reclassify the HGB ozone nonattainment area as "moderate" due to failure to attain the 2008 8-hour Ozone NAAQS. Comments due 10/27/2016.
TX100716-2	Air RACT	10/07/2016	<a href="#">41 TexReg 7934</a>	Proposed Rule Hearing	Texas Commission on Environmental Quality Control of Air Pollution from Volatile Organic Compounds [30 TAC §§115.112, 115.114, 115.118, 115.119] Proposes to update RACT requirements for VOC storage tanks in the HGB area, including: <ul style="list-style-type: none"> <li>Updating control efficiency requirements for control devices other than vapor recovery units or flares</li> <li>Adding inspection, repair, and recordkeeping requirements</li> </ul> Hearing is scheduled for 10/24/2016 in Houston, Texas. Comments due 10/24/2016.
TX100716-3	Air SIP	10/07/2016	<a href="#">81 FR 69685 HTML</a>   <a href="#">PDF</a>	Final Rule	U.S. Environmental Protection Agency Approval and Promulgation of Air Quality Implementation Plans; Texas; Infrastructure Requirements for Consultation With Government Officials, Public Notification and Prevention of Significant Deterioration and Visibility Protection for the 2008 Ozone and 2010 Nitrogen Dioxide National Ambient Air Quality Standards [40 CFR Part 52] Direct final rule approves SIP revisions related to infrastructure requirements for the 2008 Ozone and 2010 NO <sub>2</sub> NAAQS. Effective 12/06/2016. Comments due 11/07/2016.
TX100716-4	Water	09/30/2016	<a href="#">81 FR 67381 HTML</a>   <a href="#">PDF</a>	Notice	U.S. Department of the Interior Notice of Availability for the Final Environmental Impact Statement for the Continued Implementation of the 2008 Operating Agreement for the Rio Grande Project, New Mexico and Texas Announces the availability of the <a href="#">FEIS</a> , which analyzes the environmental impacts of continuing to implement the 2008 Rio Grande Project Operating Agreement through 2050. <a href="#">EPFOL is located in the Rio Grande watershed.</a>

## 2.10 Utah State Regulatory Review

This summary includes items that were reviewed for potential impacts to NASA-related operations in [Utah](#).

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
UT100716-1	Air SIP	10/01/2016	<a href="#">UT Bull. Vol 2016-19, p. 38</a>	Proposed Rule	Utah Department of Environmental Quality; Division of Air Quality Solid Fuel Burning Devices in Box Elder, Cache, Davis, Salt Lake, Tooele, Utah and Weber Counties [R307-302] Proposes SIP revisions related to controls during startup and refueling processes for solid fuel comfort heaters. Comments due 10/31/2016.
UT100716-2	Air SIP - PM	10/01/2016	<a href="#">UT Bull. Vol 2016-19, p. 36</a>	Proposed Rule	Utah Department of Environmental Quality; Division of Air Quality Section IX, Control Measures for Area and Point Sources, Part H, Emissions Limits [R307-110-17] Proposes to incorporate by reference the newly amended Part H of the PM <sub>10</sub> and PM <sub>2.5</sub> SIP. Proposed revisions are available for review in the <a href="#">memorandum</a> . Comments due 10/31/2016. <a href="#">Proposed changes to Part H include more frequent monitoring, updated emission limits, and updated provisions for specific facilities.</a>

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
UT100716-3	Storage Tanks USTs	10/01/2016	<a href="#">UT Bull. Vol 2016-19, p. 46</a>	Proposed Rule Hearing	Utah Department of Environmental Quality; Division of Environmental Response and Remediation Underground Storage Tanks: Definitions [R311-200] Proposes to align definitions with federal UST regulations. Hearing is scheduled for 10/17/2016 in Salt Lake City, Utah. Comments due 10/31/2016.
UT100716-4	Storage Tanks USTs	10/01/2016	<a href="#">UT Bull. Vol 2016-19, p. 50</a>	Proposed Rule Hearing	Utah Department of Environmental Quality; Division of Environmental Response and Remediation Underground Storage Tanks: Certification Programs and UST Operator Training [R311-201] Proposes to align certification program and operator training requirements with federal UST regulations, including: <ul style="list-style-type: none"> <li>▪ Updating UST testing methods</li> <li>▪ Revising training requirements</li> <li>▪ Revising retraining requirements</li> </ul> Hearing is scheduled for 10/17/2016 in Salt Lake City, Utah. Comments due 10/31/2016.
UT100716-5	Storage Tanks USTs	10/01/2016	<a href="#">UT Bull. Vol 2016-19, p. 59</a>	Proposed Rule Hearing	Utah Department of Environmental Quality; Division of Environmental Response and Remediation Underground Storage Tank Technical Standards [R311-202] Proposes to incorporate by reference federal UST regulations. Hearing is scheduled for 10/17/2016 in Salt Lake City, Utah. Comments due 10/31/2016.
UT100716-6	Storage Tanks USTs	10/01/2016	<a href="#">UT Bull. Vol 2016-19, p. 60</a>	Proposed Rule	Utah Department of Environmental Quality; Division of Environmental Response and Remediation Underground Storage Tanks: Technical Standards [R311-203] Proposes to align technical standards provisions with federal UST regulations. Proposes to remove language for: <ul style="list-style-type: none"> <li>▪ Notification for alternative fuels &amp; for installing a cathodic protection</li> <li>▪ Certain UST testing requirements</li> </ul> Proposes to add language to: <ul style="list-style-type: none"> <li>▪ Clarify fees</li> <li>▪ Specify reporting requirements for testing containment</li> <li>▪ Modify operator inspection requirements</li> </ul> Hearing is scheduled for 10/17/2016 in Salt Lake City, Utah. Comments due 10/31/2016.
UT100716-7	Storage Tanks USTs	10/01/2016	<a href="#">UT Bull. Vol 2016-19, p. 65</a>	Proposed Rule Hearing	Utah Department of Environmental Quality; Division of Environmental Response and Remediation Underground Storage Tanks: Certificate of Compliance and Financial Assurance Mechanisms [R311-206] Proposes to align provisions with federal UST regulations. Hearing is scheduled for 10/17/2016 in Salt Lake City, Utah. Comments due 10/31/2016.

**2.10.1 Governor's Recommendation to EPA Regarding Ozone Nonattainment Areas**

On 29 September 2016, Utah submitted recommended attainment area designations to EPA for the 2015 8-hour Ozone NAAQS. The Utah Department of Environmental Quality (UDEQ) [released the letter](#) announcing the recommendations along with the UDEQ [technical support document](#). Salt Lake and Davis Counties have been recommended as nonattainment areas and Box Elder and Cache Counties have been recommended as attainment areas.

**2.11 Virginia State Regulatory Review**

No regulatory items of interest were identified during this reporting period for [Virginia](#).