



National Aeronautics and
Space Administration

Principal Center for Regulatory Risk Analysis and Communication

Regulatory Tracking Summary

14 November 2014

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 "79 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/>.

Comments, questions, suggestions, and requests for further information should be directed to the RRAC PC Manager, Sharon Scroggins at 256-544-7932 (sharon.scroggins@nasa.gov).

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Acronyms and Abbreviations

AAC = Alabama Administrative Code	NASA = National Aeronautics and Space Administration
AAM = Alabama Administrative Monthly	NEPA = National Environmental Protection Act
ARB = Air Resources Board	NIST = National Institute of Standards and Technology
ARC = Ames Research Center	NM = New Mexico
BAT = Best available technology	NMAC = New Mexico Administrative Code
BACT = Best Available Control Technology	NMFS = National Marine Fisheries Service
CASI = Climate Adaptation Science Investigators	NO ₂ = Nitrogen dioxide
CCAFS = Cape Canaveral Air Force Station	NOAA = National Oceanic and Atmospheric Administration
CCL = Contaminant Candidate List	NOI = Notice of Intent
CCR = <i>California Code of Regulations</i>	NOT = Notice of Termination
CERCLA = Comprehensive Environmental Response, Compensation and Liability Act	NO _x = Nitrogen oxides
CERCLIS = Comprehensive Environmental Response Compensation and Liability Act Information System	NPDES = National Pollutant Discharge Elimination System
CFR = <i>Code of Federal Regulations</i>	NRC = National Resource Council
CHP = Combined heat and power	NSR = New Source Review
CO = Carbon monoxide	O&M = Operation and Maintenance
CO ₂ = Carbon dioxide	OAC = Ohio Administrative Code
CRNR = California Regulatory Notice Register	ODS = Ozone-depleting substance
CVP = Central Valley Project	OEHHA = Office of Environmental Health Hazard Assessment
DAPC = Division of Air Pollution Control	PBR = Permit-by-Rule
DNAPL = Dense Non-Aqueous Phase Liquids	PBS = Plum Brook Station
DOE = U.S. Department of Energy	PM ₁₀ = Particulate matter having an aerodynamic equivalent diameter of 10 microns or less
DOT = U.S. Department of Transportation	PM _{2.5} = Particulate matter having an aerodynamic equivalent diameter of 2.5 microns or less
ECHA = European Chemicals Agency	PSD = Prevention of Significant Deterioration
EIB = Environmental Improvement Board	PV = Photovoltaic
EIS = Environmental Impact Statement	REACH = Registration, Evaluation, Authorization and Restriction of Chemicals
EKAPCD = Eastern Kern Air Pollution Control District	RETIGO = Real-Time Geospatial Viewer
EPA = U.S. Environmental Protection Agency	R-GPCD = Residential gallons per-capita per day
ERC = Emission reduction credit	RIN = Regulatory Identification Number
ESA = Endangered Species Act	RRAC PC = Principal Center for Regulatory Risk Analysis and Communication
EGU = Electric Utility Generating Unit	SB = Senate Bill
EU = European Union	SCAQMD = South Coast Air Quality Management District
F.A.C. = Florida Administrative Code	SEMS = Superfund Enterprise Management System
FAR = Florida Administrative Register	SIP = State Implementation Plan
FGC = Fish and Game Commission	SO ₂ = Sulfur dioxide
FEMP = Federal Energy Management Program	SVHC = Substance of Very High Concern
FERC = Federal Energy Regulatory Commission	SWRCB = State Water Resources Control Board
FIP = Federal Implementation Plan	TAC = Texas Administrative Code
FR = <i>Federal Register</i>	TCE = Trichloroethylene
GHG = Greenhouse gas	TMDL = Total maximum daily load
GRC = Glenn Research Center	VPDES = Virginia Pollution Discharge Elimination System
GWP = Global warming potential	TPY = Tons per year
HAP = Hazardous air pollutant	U.S. = United States
ITRC = Interstate Technology and Regulatory Council	UT = Utah
JPL = Jet Propulsion Laboratory	VAC = Virginia Administrative Code
JSC = Johnson Space Center	VA.R. = <i>Virginia Register</i>
KSC = Kennedy Space Center	VPDES = Virginia Pollution Discharge Elimination System
LAC = Louisiana Administrative Code	VOC = Volatile organic compound
LaRC = Langley Research Center	WQ = Water Quality
LED = Light-emitting Diode	WFF = Wallops Flight Facility
MDAQMD = Mojave Desert Air Quality Management District	WSTF = White Sands Test Facility
MDE = Maryland Department of the Environment	
MSFC = Marshall Space Flight Center	
MtCO ₂ e = Metric tons of carbon dioxide equivalent	
NAAQS = National Ambient Air Quality Standards	

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	Suggested Actions
FED111414-1	Air	11/04/2014	79 FR 65392 HTML PDF	Notice	U.S. Environmental Protection Agency Ambient Air Monitoring Reference and Equivalent Methods: Designation of Two New Reference Methods and Two New Equivalent Methods Announces EPA's designation of two new reference methods for monitoring PM _{2.5} and PM _{10-2.5} concentrations in ambient air and two new equivalent methods for monitoring CO and ozone concentrations in ambient air.	
FED111414-2	Air EGUs-GHG	11/13/2014	79 FR 67406 HTML PDF	Notice	U.S. Environmental Protection Agency Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units [40 CFR Part 60] Announces availability of information on translating the emission rate-based CO ₂ goals to an equivalent mass-based metric in support of the proposed rule (79 FR 34829 , 06/18/2014). Comments due 12/01/2014. [RIN 2060-AR33]	Centers with CHPs or other electric generating capacity should be aware of this action.
FED111414-3	Air NAAQS-SO ₂	11/10/2014	79 FR 66721 HTML PDF	Notice	U.S. Environmental Protection Agency Release of Integrated Review Plan for the Primary National Ambient Air Quality Standard for Sulfur Dioxide Announces availability of the final review plan for air quality criteria for health related to sulfur oxides and the SO ₂ NAAQS.	
FED111414-4	Air ODSs	11/10/2014	79 FR 66679 HTML PDF	Proposed Rule	U.S. Environmental Protection Agency Protection of Stratospheric Ozone: Extension of the Laboratory and Analytical Use Exemption for Essential Class I Ozone-Depleting Substances [40 CFR Part 82] Proposes to extend the laboratory and analytical use exemption for the production and import of Class I ODSs through 12/31/2021. Comments due 12/10/2014. [RIN 2060-AS38]	NASA Centers should be aware of this action.
FED111414-5	Air SIP	11/13/2014	79 FR 67398 HTML PDF	Proposed Rule	U.S. Environmental Protection Agency Approval and Promulgation of Implementation Plans; Region 4 States; 2008 Lead, 2008 Ozone and 2010 Nitrogen Dioxide Prevention of Significant Deterioration Infrastructure Plans [40 CFR Part 52] Proposes to approve infrastructure requirements for the 2008 Lead, 2008 Ozone, and 2010 NO ₂ NAAQS for EPA Region 4 States. Comments due 12/15/2014. EPA Region 4 States include Alabama, Florida, and Mississippi.	

Tracking Number	Subject	Date Published	Citation	Type Action	Description	Suggested Actions
FED111414-6	Waste CERCLA	11/05/2014	79 FR 65589 HTML PDF	Final Rule	U.S. Environmental Protection Agency National Oil and Hazardous Substances Pollution Contingency Plan; Technical Amendment To Update Data Management System Nomenclature [40 CFR Part 300] Direct final rule announces the decommissioning of the existing database, CERCLIS, and adoption of a new data management system, SEMS, for the EPA Superfund program. Effective 01/05/2015. Comments due 12/05/2014.	
FED111414-7	Water Drinking Water	11/13/2014	79 FR 67408 HTML PDF	Notice Meeting	U.S. Environmental Protection Agency Notice of Public Meeting and Webinar: Preliminary Regulatory Determinations for the Third Contaminant Candidate List [40 CFR Part 141] Announces a meeting to discuss the preliminary determination to regulate strontium and not to regulate four other substances on the third CCL. Meeting and webinar will be held on 12/09/2014 in Arlington, Virginia. Registration for meeting or webinar required by 12/02/2014.	

1.2 Other News and Developments

1.2.1 NASA Climate Change Resiliency Program

NASA was recently [featured](#) in a [study](#) published in the Bulletin of the American Meteorological Society that presented historical and potential effects of climate extremes and climate change on NASA facilities and actions NASA has taken to increase resilience. The study states that climate extremes, including sea level rise, wildfires, and hurricanes, have the potential to disrupt NASA's operations and are likely to increase between 2014 and 2050. In order to increase resiliency to climate events and climate change, NASA established the Climate Adaptation Science Investigators ([CASI](#)) Workgroup to assist in the management of climate risks. Recently, climate projections prepared by CASI were used at workshops at five NASA Centers to explore risks and develop adaptation strategies.

1.2.2 European Chemical Agency Update

Seventeen [applications for authorization](#) to use trichloroethylene (TCE) recently were submitted in response to limitations implemented under the European Union's (EU's) regulation on the Registration, Evaluation, Authorization, and Restriction of Chemicals ([REACH](#)). TCE is a substance of very high concern (SVHC) listed in REACH Annex XIV, the "[Authorization List](#)." In the EU, the use or manufacture of substances on the Authorization List requires special approval. Applications for TCE were submitted for uses related to degreasing, processing, packaging materials, synthesis of vulcanization accelerating agents for fluoroelastomers, and production of certain formulated materials.

The public consultation period deadline is 01 July 2015. A full outline of the functions of the substance in specific applications, exposure criteria, and potential alternatives, as well as information regarding the public consultation process, is available on the European Chemicals Agency's (ECHA's) [website](#).

1.2.3 Updates on the Antarctic Ozone Hole

NASA recently [announced](#) the Antarctic ozone hole reached its annual peak size, 24.1 million square kilometers, on 11 September 2014. NASA and National Oceanic and Atmospheric Administration (NOAA) researchers stated that the single-day maximum area is smaller than the large holes of the 1998-2006 period and comparable to 2010, 2012, and 2013. Scientists are working to determine whether the holes' decrease in size is due to increased temperatures in the region or declining chlorine concentrations. Measurements have shown that chlorine levels in the area have declined in recent years, but temperature data for that region are not adequate for determining long-term trends.

1.2.4 Real-Time Geospatial Data Viewer: RETIGO

On 05 November 2014, EPA [announced](#) the development of an interactive air quality data visualization platform known as the Real-Time Geospatial Viewer (RETIGO). Using RETIGO, users can upload their air quality data to the online tool system and visually analyze the data set over a specified area and time. EPA has scheduled four [webinars](#) to present the new tool: two on 17 November 2014 and two on 19 November 2014.

1.2.5 2015 Vehicle Fuel Economy Guide

On 06 November 2014, EPA and the United States Department of Energy (DOE) [released](#) the [Fuel Economy Guide](#) for 2015 vehicles available for purchase in the United States. The guide shows an increase in fuel-efficient and low-emissions options compared with previous years, and this year's guide provides ["best-in-class" lists](#) to present the most fuel-efficient, advanced-technology vehicles.

1.2.6 National Institute of Standards and Technology Update

The National Institute of Standards and Technology (NIST) and NOAA have recently [developed](#) a new technique to measure quantities of GHGs across distances greater than 1 kilometer. The new technique uses ["frequency combs,"](#) which are laser-generated tools made up of a large number of evenly spaced separate frequencies. Each frequency, or "tooth of a comb," represents a different color, enabling measurements of absorption signatures of various GHGs, including carbon dioxide, methane, and water vapor. The technique could be used to support current and future atmospheric GHG research.

In addition, NIST recently [announced](#) the discovery of a sodium-based metal hydride that has the potential to act as an alternative to lithium-based conductors in rechargeable batteries. When heated, the substance, chemical formula $\text{Na}_2\text{B}_{10}\text{H}_{10}$, changes to an open structure featuring large, connected corridors through which charged sodium ions can flow. An alternative to lithium-based systems is being sought because lithium-ion batteries pose potential fire hazards. Additionally, the relative scarcity of lithium could result in future availability issues or increased costs.

1.2.7 DNAPL Site Strategy Webinar

EPA has scheduled a [webinar](#) for 02 December 2014 regarding integrated site strategies for sites with dense nonaqueous phase liquid (DNAPL) present in soil or groundwater. DNAPL, commonly found in sites contaminated with chlorinated solvents, can be difficult and time-consuming to remediate successfully. The webinar will discuss the following five topics from the International Technology Regulatory Council's (ITRC's) ["Integrated DNAPL Site Strategy:"](#)

- Conceptual site models
- Remedial objectives
- Treatment technologies
- Monitoring

- Reevaluating the strategy

[Registration](#) is required for attendance.

1.2.8 Federal Energy Management Program Webinars

The DOE's Federal Energy Management Program (FEMP) has scheduled a [webinar](#) on small-scale photovoltaic (PV) systems for 04 December 2014. The webinar will focus on the operation and maintenance (O&M) of PV systems of 100 kilowatts or less. The goal of the webinar is to provide adequate information on the following topics:

- Assessment of critical items to manage assets and plan for a PV O&M program
- Identification of preventive maintenance practices
- Identification, isolation, and diagnosis of corrective maintenance and repair of failed PV components
- Determination of implementation of proven safety procedures during repairs
- Understanding of professional qualifications for personnel required to work on PV equipment

[Registration](#) is required for attendance.

In addition, FEMP recently released an on-demand [webinar](#) on light-emitting diode (LED) technology. The webinar will provide an overview of the status of LED technology as it relates to federal facility managers. Topics will include the following:

- Basics of LED technology, including strengths and weaknesses
- Specific attributes of LED technology compared with other lighting options
- Economic considerations with LEDs
- Specific LED product applications

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	Ref. Page	Type Action	Description	Suggested Actions
AL111414-1	Air GHGs	10/31/2014	AAM Vol. XXXIII No. 1	Final Rule	Alabama Department of Environmental Management Greenhouse Gas Global Warming Potentials [AAC 335-3 Appendix I] Finalizes amendment of GWP values for certain GHGs in an effort to align state regulations with federal revisions. Effective 11/25/2014.	
AL111414-2	Air Permits	10/31/2014	AAM Vol. XXXIII No. 1	Final Rule	Alabama Department of Environmental Management Major Source Operating Permits Definitions [AAC 335-3-16-.01] Finalizes revisions to major source operating permit definitions in an effort to align state regulations with federal GHG regulations. Effective 11/25/2014.	MSFC should be aware of this action.
AL111414-3	Air SIP-GHGs	10/31/2014	AAM Vol. XXXIII No. 1	Final Rule	Alabama Department of Environmental Management Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration Permitting (PSD)] [AAC 335-3-14-.04] Finalizes revisions to PSD regulations in an effort to align state regulations with federal GHG regulations by removing the major source applicability-permitting threshold for GHGs. Effective 11/25/2014.	MSFC should be aware of this action.
AL111414-4	Air Title V	10/30/2014	Public Notice #350	Notice	Alabama Department of Environmental Management Marshall Space Flight Center Title V Major Source Operating Permit Renewal Announces the issuance of MSFC's final Title V permit. The draft Major Source Operating Permit will not authorize any new emissions of air contaminants. Statement of Basis and draft permit are available for review. Comments due 11/29/2014.	MSFC should be aware of this action.

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	Suggested Actions
CA111414-1	Air GHG	11/03/2014	ARB Website	Notice	California Air Resources Board 2013 Greenhouse Gas Emissions Data Announces availability of the 2013 GHG emissions data from facilities that report under the ARB's Mandatory Reporting Rule. The total 2013 emissions subject to a compliance obligation for the first compliance period in the Cap-and-Trade Program equals approximately 145,000,000 MtCO ₂ e.	

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description	Suggested Actions
CA111414-2	Fuels Biodiesel	11/10/2014	ARB Website	Notice Workshop	<p>California Air Resources Board</p> <p>Public Workshop to Discuss Draft Language for Proposed Alternative Diesel Fuels Regulation</p> <p>Announces a public workshop to discuss draft regulatory language for the proposed Alternative Diesel Fuels regulation. Public workshop is scheduled for 11/21/2014 in Sacramento, California, or via webcast.</p> <p>The Alternative Diesel Fuels regulation is an effort to develop a uniform framework for standards, specifications, procedures, and other requirements applicable to alternative diesel fuels, such as biodiesel.</p>	
CA111414-3	Species California Eelgrass	11/07/2014	79 FR 66360 HTML PDF	Notice	<p>National Oceanic and Atmospheric Administration</p> <p>Availability of Report: California Eelgrass Mitigation Policy and Implementing Guidelines</p> <p>Announces availability of the final California Eelgrass Mitigation Policy and Implementing Guidelines, which provides recommendations for mitigation of unavoidable impacts to eelgrass habitat. [RIN 0648-XD572]</p> <p>California eelgrass is known to live in enclosed bays, such as the San Francisco Bay. Additional information is available on the NMFS website.</p>	ARC should be aware of this action.
CA111414-4	Toxic Substances Proposition 65– Mitoxantrone Hydrochloride	11/07/2014	CRNR 2014, 45z, p. 1887	Proposed Rule	<p>Office of Environmental Health Hazard Assessment</p> <p>Notice of Intent to List Mitoxantrone Hydrochloride [27 CCR 25902]</p> <p>Announces the intent to list mitoxantrone hydrochloride as "known to the State to cause cancer" using the "Formally Required to be Labeled or Identified" listing mechanism. Comments due 12/08/2014.</p> <p>Mitoxantrone hydrochloride is a pharmaceutical currently listed as known to cause reproductive toxicity. Additional information is available on the OEHHA website.</p>	
CA111414-5	Water	11/06/2014	79 FR 65989 HTML PDF	Notice	<p>U.S. Bureau of Reclamation</p> <p>Central Valley Project Improvement Act Water Management Plans</p> <p>Announces availability of the Mid-Pacific Region 2014 Standard Criteria. These criteria were developed to evaluate the adequacy of water conservation plans developed under the CVP. Comments due 12/08/2014.</p> <p>The CVP is a federal water management project created to provide irrigation and municipal water to California's Central Valley. Additional information is available on the U.S. Bureau of Reclamation's website.</p>	ARC should be aware of this action.

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description	Suggested Actions
CA111414-6	Water NPDES	11/07/2014	CRNR 2014, 45z, p. 1895	Final Rule	<p>State Water Resources Control Board</p> <p>Emergency Regulations to Conform with Budget Act 2014-15 [23 CCR 2200, 2200.2, 2200.5-2200.7, and 3833]</p> <p>Adopts annual adjustments to the fees assessed to persons issued waste discharge permits. The fee for each permitted entity varies based on the following factors:</p> <ul style="list-style-type: none"> ▪ Threat to water quality ▪ Complexity ▪ Type of Discharge ▪ Number of service connections <p>Effective 10/27/2014.</p> <p>Additional information is available on the SWRCB website.</p>	
CA111414-7	Water NPDES	11/14/2014	SWRCB Website	Notice Workshop	<p>State Water Resources Control Board</p> <p>Storm Water Industrial General Permit 2015 Workshops</p> <p>Announces public workshops to present the new NPDES Permit requirements that affect industrial facility operations. Public workshops are scheduled for:</p> <ul style="list-style-type: none"> ▪ 01/19/2015 and 03/20/2015 in Sacramento, California ▪ 02/02/2015 and 03/09/2015 in Los Angeles, California ▪ 02/20/2015 and 03/17/2015 in Oakland, California <p>The new NPDES Permit for storm water associated with industrial activity is effective 07/01/2015.</p> <p>A summary of the significant permit changes is available on the SWRCB website.</p>	
CA111414-8	Water Water Rights	11/14/2014	CRNR 2014, 46z, p. 1917	Final Rule	<p>State Water Resources Control Board</p> <p>Emergency Regulation Amending Water Rights Fee Schedules [23 CCR 1062, 1064, 1066, and 3833.1]</p> <p>Adopts adjustments to the fee schedule to:</p> <ul style="list-style-type: none"> ▪ Increase annual water right fees to conform to amounts appropriated from the Water Rights Fund ▪ Increase the annual FERC license-associated water quality certification fee ▪ Adjust the caps on application and petition filing fees, based on the consumer price index <p>Effective 10/30/2014.</p>	

2.2.1 Emergency Conservation Regulations

On 15 July 2014, the California State Water Resources Control Board ([SWRCB](#)) adopted [emergency regulations](#) that promote statewide urban water conservation. Since then, the SWRCB has launched an [Emergency Water Conservation Regulations Portal](#) containing information on water conservation, including:

- What activities are prohibited
- What actions water suppliers must take
- Tips for water conservation and water use efficiency
- Conservation reporting procedures

Additional information is available through the [State Water Board Drought Year Water Actions website](#).

2.2.2 Per Capita Daily Water Use

On 04 November 2014, the SWRCB [released](#) estimates of daily water use per person for most California community water systems. This new reporting requirement, called residential gallons per capita per day (R-GPCD), estimates daily water use by residential customers for nearly 400 urban water agencies statewide. According to the R-GPCD data, water use varies widely by hydrologic region, ranging from an average 85.2 gallons per person per day in the San Francisco Bay region to an average 251.9 gallons per person per day in the Colorado River region. R-GPCD is useful for tracking water use by an urban water supplier's residential customers and can help determine whether water supplier actions are effective. The complete report and a presentation of the report's results are available on the SWRCB [website](#).

2.2.3 California Air Districts Regulatory Review

2.2.3.1 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](#).

2.2.3.2 Bay Area Air Quality Management District

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

2.2.3.3 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	Suggested Actions
CAE111414-1	Air	11/14/2014	EKAPCD Website	Notice	Eastern Kern Air Pollution Control District Proposed Rules: Revised Staff Report Availability Announces availability of revised staff reports discussing the following rules: <ul style="list-style-type: none"> ▪ Rules 301, 302, and 303: Fees ▪ Rule 402: Fugitive Dust 	

2.2.3.4 Mojave Desert Air Quality Management District

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

MDAQMD Newsletter

The [Fall Air Monitor Newsletter](#) was released on 03 November 2014 and provides air district activity updates, community events, conference summaries, grant project summaries, and regulation updates. This issue includes discussions on attaining the federal 1-hour ozone national ambient air quality standard, South Coast Air Quality Management District (SCAQMD) and Air and Waste Management Association conferences, Mojave green gas station program, and a reminder for permit fee increases starting 01 January 2015.

2.2.3.5 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	Suggested Actions
CAS111414-1	Air NSR	11/06/2014	SCAQMD Website	Notice	South Coast Air Quality Management District Federal PM _{2.5} New Source Review Program [Rule 1325] Announces availability of Proposed Amended Rule 1325 text and the corresponding Draft Staff Report describing the proposed changes, which include revision or clarification of the following: <ul style="list-style-type: none"> ▪ Definition of PM_{2.5} ▪ ERC generation and use provisions ▪ Source test method for PM_{2.5} 	JPL should be aware of this action.

2.2.3.6 Ventura County Air Pollution Control District

No regulatory items of interest were identified during this reporting period for the [Ventura County Air Pollution Control District](#).

2.3 Florida State Regulatory Review

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

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description	Suggested Actions
FL111414-1	Natural Resources NEPA	11/14/2014	79 FR 68242 HTML PDF	Notice	U.S. Environmental Protection Agency Environmental Impact Statements; Notice of Availability Announces availability of the Final EIS for the Mars 2020 Mission . Comments due 12/15/2014. The space vehicle used for the Mars 2020 Mission would launch from KSC or CCAFS.	
FL111414-2	Species Coral	11/13/2014	79 FR 67356 HTML PDF	Final Rule	National Oceanic and Atmospheric Administration Endangered and Threatened Wildlife and Plants; Adding 20 Coral Species to the List of Endangered and Threatened Wildlife [50 CFR Part 17] Finalizes the listing of 20 threatened coral species in the ESA, including: <ul style="list-style-type: none"> ▪ Pillar Coral ▪ Lobed Star Coral ▪ Mountainous Star Coral ▪ Boulder Star Coral ▪ Rough Cactus Coral Updates the historic range listed for the threatened Elkhorn and Staghorn corals. Effective 11/13/2014. [RIN 1018-BA63]	Aquarius Reef Base Lab should be aware of this action.

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description	Suggested Actions
FL111414-3	Water	11/12/2014	FAR Notices #15265101; #15265198	Final Rule	<p>Department of Environmental Protection Minimum Flows and Levels [Chapter 62-42]; Scope [Chapter 62-42.100, F.A.C.]; Definitions [Chapter 62-42.200, F.A.C.]</p> <p>Finalizes the following actions for minimum flows and levels for Florida water bodies:</p> <ul style="list-style-type: none"> Identifies the purposes of the rule chapter and recognizes that recovery and prevention strategies might contain non-regulatory provisions to be included in the district water supply plan. Adopts technical definitions, including "Flow Duration Curve" and "Flow Duration Frequency." <p>Effective 11/26/2014.</p>	KSC should be aware of this action.

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	Suggested Actions
LA111414-1	Water Quality	11/20/2014	WQ088	Final Rule	<p>Louisiana Department of Environmental Quality Revisions to Chapter 11 [LAC 33:IX.1105, 1109, and 1119]</p> <p>Finalizes revisions to surface water quality regulations and implements editorial changes. Effective 11/20/2014.</p>	

2.5 Maryland State Regulatory Review

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

2.5.1 Final Determination to Issue 2014 General Permit for Stormwater Associated with Construction Activity

Maryland Department of the Environment (MDE) has reached a final determination to reissue the [General Permit for Stormwater Associated with Construction Activity](#). The new General Permit replaces previously issued General Permits and previous General Permits are terminated effective 01 January 2015. All construction activity disturbing 1 or more acres will need the 2014 General Permit as of 01 January 2015. The new permit includes numerous changes from the previous General Permit, including:

- Revisions to the public notification period
- Additional requirements that meet the federal effluent limitation guidelines at 40 *Code of Federal Regulations* (CFR) Part 450
- Emergency authorization procedures
- Clarifications regarding which types of projects and discharges are eligible for coverage

MDE also [announced](#) the availability of a new [electronic system](#) to submit Notices of Intent (NOIs), track the status of NOIs and permits, and terminate permits.

2.6 Mississippi State Regulatory Review

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

2.7 New Mexico State Regulatory Review

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

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description	Suggested Actions
NM111414-1	Air SIP	11/13/2014	NM Register Vol. 25, No. 21	Proposed Rule	Environmental Improvement Board General Provisions [NMAC 20.2.1] Proposes revisions to Rule 20.2.1 that would grant the EIB the authority to request and receive electronic submissions. If adopted, this amendment would be incorporated into the SIP. A meeting is scheduled for 01/23/2015 in Santa Fe, New Mexico.	WSTF should be aware of this action.
NM111414-2	Emergency Planning	11/03/2014	79 FR 65225 HTML PDF	Notice	Federal Emergency Management Agency Proposed Flood Hazard Determination Proposes revisions to the flood hazard determinations for various locations, including Dona Ana County, New Mexico. Comments due 02/02/2015. Flood hazard determinations are referenced when designating areas of varying flood risk. Revisions to these determinations have the potential to impact facilities' emergency response planning and preparation activities. Additional information is available on the FEMA website.	WSTF should be aware of this action.

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	Suggested Actions
OH111414-1	Air Permitting	11/13/2014	DAPC-What's New	Notice	Division of Air Pollution Control, Ohio Environmental Protection Agency Engineering Guide #86—Guidance Concerning Appropriate 31-05 Rule Citations Announces availability of Engineering Guide #86 , which provides guidance for permit writers concerning BAT rule citations found in OAC 3745-31-05.	
OH111414-2	Air Permitting	11/13/2014	DAPC-What's New	Notice	Division of Air Pollution Control, Ohio Environmental Protection Agency Engineering Guide #87—Guidance Concerning Rule Citations for the <10 TPY BAT Exemption Announces availability of Engineering Guide #87 , which provides guidance for permit writers concerning sources that qualify for the <10 TPY BAT exemption found in OAC 3745-31-05(A)(3)(a)(ii).	

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description	Suggested Actions
OH111414-3	Air Permitting- NSR	11/13/2014	DAPC-What's New	Proposed Rule	<p>Division of Air Pollution Control, Ohio Environmental Protection Agency</p> <p>NSR Permitting Program Rules [OAC 3745-31]</p> <p>Proposes numerous revisions to the Permits-to-Install and Permits-to-Install and Operate Program rules as part of the 5-year review process. Proposed revisions include:</p> <ul style="list-style-type: none"> Organizational changes to clarify exemptions and PBR sources Paragraphs (A)(1)(uu) through (A)(1)(jjj), which include powder coating, diesel fuel storage and dispensing, and heat-treating furnaces PBR for equipment used in injection and compression of resin molding Rules covering gasoline-dispensing facilities. <p>Comments due 12/16/2014.</p>	GRC and PBS should be aware of this action.

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	Suggested Actions
TX111414-1	Administration Permits	11/07/2014	39 TexReg 8715	Final Rule	<p>Texas Commission on Environmental Quality</p> <p>General Air Quality Rules [30 TAC 101]</p> <p>Finalizes requirements for expediting the application process for permits filed under 30 TAC Chapter 106 (Permits By Rule), 116 (Control of Air Pollution by Permits for New Construction or Modification), or 122 (Federal Operating Permits Program). Effective 11/13/2014.</p>	
TX111414-2	Air FIP-GHG PSD Permitting	11/10/2014	79 FR 66641 HTML PDF	Final Rule	<p>U.S. Environmental Protection Agency</p> <p>Approval and Promulgation of Air Quality Implementation Plans; Withdrawal of Federal Implementation Plan; Texas; Prevention of Significant Deterioration; Greenhouse Gas Tailoring Rule Revisions [40 CFR Part 52]</p> <p>Finalizes the partial withdrawal of the proposed rule (79 FR 9123, 02/18/2014) for the Texas FIP for GHG PSD permitting. Three limited circumstances are being retained for federal permitting authority. Effective 11/10/2014.</p>	
TX111414-3	Air SIP-GHG PSD Permitting	11/10/2014	79 FR 66626 HTML PDF	Final Rule	<p>U.S. Environmental Protection Agency</p> <p>Approval and Promulgation of Air Quality Implementation Plans; Texas; Prevention of Significant Deterioration; Greenhouse Gas Tailoring Rule Revisions [40 CFR Part 52]</p> <p>Finalizes portions of two revisions to the Texas SIP that revise the Texas PSD program with the intent of regulating GHG emissions and clarifying applicability of BACT for all PSD permit applications. Effective 11/10/2014.</p>	
TX111414-4	Hazardous Materials Transportation	11/03/2014	79 FR 65296 HTML PDF	Notice	<p>Pipeline and Hazardous Materials Safety Administration</p> <p>List of Delayed Applications</p> <p>Announces delay of review for special permit application 15971-N for NASA (Houston, Texas) to transport non-DOT specification pressure receptacles containing compressed nitrogen via motor vehicle, rail freight, cargo vessel, and cargo aircraft.</p>	JSC should be aware of this action.

2.10 Utah State Regulatory Review

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

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description	Suggested Actions
UT111414-1	Air SIP	11/10/2014	79 FR 66670 HTML PDF	Proposed Rule	<p>U.S. Environmental Protection Agency</p> <p>Approval and Promulgation of Air Quality Implementation Plans; State of Utah; Motor Vehicle Inspection and Maintenance and Associated Revisions [40 CFR Part 52]</p> <p>Proposes to approve SIP revisions, including the addition of Cache County, Utah, to the statewide vehicle inspection and maintenance program. Comments due 12/10/2014.</p>	
UT111414-2	Air VOC	11/01/2014	UT Bull. Vol. 2014-21, p. 48	Proposed Rule Change	<p>Utah Department of Environmental Quality; Division of Air Quality</p> <p>Changes to Air Quality Area Source Proposed Rules: R307-335, R307-342, R307-345, R307-350, R307-353, and R307-355.</p> <p>Would revise proposed rules in Utah's PM_{2.5} SIP to clarify that exempt compounds are not VOCs by definition. Rules proposed to be revised include:</p> <ul style="list-style-type: none"> ▪ R307-335. Degreasing and Solvent Cleaning Operations ▪ R307-342. Adhesives and Sealants ▪ R307-345. Fabric and Vinyl Coatings ▪ R307-350. Miscellaneous Metal Parts and Products Coatings ▪ R307-353. Plastic Parts Coatings ▪ R307-355. Control of Emissions from Aerospace Manufacture and Rework Facilities <p>Comments due 12/01/2014.</p>	<p>NASA-related operations in Utah should be aware of this action.</p>

2.11 Virginia State Regulatory Review

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

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description	Suggested Actions
VA111414-1	Water Groundwater	11/17/2014	31:6 VA.R 353-355	Notice	<p>State Water Control Board, Virginia Department of Environmental Quality</p> <p>Groundwater Withdrawal Regulations [9VAC25-610]</p> <p>Announces the following updated forms:</p> <ul style="list-style-type: none"> ▪ Department of Environmental Quality Water Division Permit Application Fee Form (revised 10/2014) ▪ Application Instructions for Completing a Groundwater Withdrawal Permit Application (revised 11/2013) ▪ Application for a Groundwater Withdrawal Permit (revised 09/2012) ▪ Groundwater Withdrawal Permit–Change of Ownership Form (revised 11/2013) ▪ Uncontested Termination Agreement (revised 11/2013) ▪ Water Well Completion Report, Form GW2. Effective 07/2007. ▪ Public Notice Authorization Form–Authorization for Public Notice Billing to Groundwater Withdrawal Permit Applicant (revised 11/2013) ▪ Preapplication Meeting Form–Application for a Groundwater Withdrawal Permit (revised 09/2012) ▪ Local and Area-wide Planning Requirements (revised 09/2012) ▪ Quarterly Groundwater Withdrawal Report (revised 11/2013) ▪ Mitigation Plan (revised 11/2013) ▪ Existing Users Groundwater Withdrawal Permit Application and Instructions. Effective 02/2014. 	
VA111414-2	Water Permitting	11/17/2014	31:6 VA.R 354	Notice	<p>State Water Control Board, Virginia Department of Environmental Quality</p> <p>Fees for Permits and Certificates [9VAC25-20];</p> <p>Announces the following updated forms:</p> <ul style="list-style-type: none"> ▪ Department of Environmental Quality Water Division Permit Application Fee Form (revised 10/2014) ▪ Biosolids Land Application Local Monitoring Expenses Reimbursement Invoice, Form 1 (revised 06/2013) ▪ Biosolids Land Application Local Monitoring Expenses Multiple Owners Payment Assignment, Form 2 (revised 06/2013) ▪ Biosolids Land Application Fee Reimbursement Notice of Intent to Seek Reconsideration, Form 3 (revised 08/2007) ▪ Biosolids Land Application Fee Reimbursement Reconsideration Claim, Form 4 (revised 08/2007) 	

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description	Suggested Actions
VA111414-3	Water Permitting	11/17/2014	31.6 VAR 354	Notice	<p>State Water Control Board, Virginia Department of Environmental Quality</p> <p>Virginia Water Protection Permit Program Regulation [9VAC25-210]</p> <p>Announces the following updated forms:</p> <ul style="list-style-type: none"> Department of Environmental Quality Water Division Permit Application Fee Form (revised 10/2014) Standard Joint Permit Application for Activities in Waters and Wetlands of the Commonwealth of Virginia (revised 03/2014) Joint Permit Application for Projects in Tidewater Virginia (revised 03/2014) Monthly Reporting of Impacts Less Than One-tenth Acre Statewide (effective 08/2007) Application for New or Expanded Minor Surface Water Withdrawals Initiated on or after 07/25/2007 (revised 06/2012) 	
VA111414-4	Water Permitting	11/17/2014	31.6 VAR 355	Notice	<p>State Water Control Board, Virginia Department of Environmental Quality</p> <p>Virginia Water Protection General Permit for Impacts less than one-half of an Acre [9VAC25-660]</p> <p>Announces the following updated forms:</p> <ul style="list-style-type: none"> Department of Environmental Quality Water Division Permit Application Fee Form (revised 10/2014) Standard Joint Permit Application for Activities in Waters and Wetlands of the Commonwealth of Virginia (revised 03/2014) Joint Permit Application for Projects in Tidewater Virginia (revised 03/2014) Monthly Reporting of Impacts Less Than One-tenth Acre Statewide (effective 08/2007) 	
VA111414-5	Water Stormwater	11/17/2014	31.6 VAR 355	Notice	<p>State Water Control Board, Virginia Department of Environmental Quality</p> <p>Virginia Stormwater Management Program Regulation [9VAC25-870]</p> <p>Announces the following updated forms:</p> <ul style="list-style-type: none"> Application Form 1–General Information, Consolidated Permits Program, EPA Form 3510-1 (revised 08/1990) Construction Activity Operator Permit Fee Form (revised 09/2014) 	
VA111414-6	Water TMDL	11/17/2014	31.6 VAR 361-362	Notice	<p>Virginia Department of Environmental Quality</p> <p>Development of TMDLs</p> <p>Announces initiation of TMDLs for Little Mosquito Creek and Assawoman Creek in Accomack County, Virginia. Comments due 12/17/2014.</p>	WFF should be aware of this action.
VA111414-7	Water VPDES	11/17/2014	31.6 VAR 354	Notice	<p>State Water Control Board, Virginia Department of Environmental Quality</p> <p>General VPDES Permit for Discharges of Storm Water Associated with Industrial Activity [9VAC25-151]</p> <p>Announces the following updated forms:</p> <ul style="list-style-type: none"> Department of Environmental Quality Water Division Permit Application Fee Form (revised 10/2014) VPDES General Permit for Industrial Activity Stormwater Discharges (VAR05) Registration Statement, VAR05-RS. Effective 07/2014. VPDES General Permit for Industrial Activity Stormwater Discharges (VAR05) Notice of Termination, VAR05-NOT. Effective 07/2014. VPDES Discharge Monitoring Report. Effective 07/2014 VPDES Change of Ownership Form (undated) 	

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description	Suggested Actions
VA111414-8	Water VPDES	11/17/2014	31.6 V.A.R 355-356	Notice	<p>State Water Control Board, Virginia Department of Environmental Quality</p> <p>General VPDES Permit for Discharges of Stormwater from Construction Activities [9VAC25-880]</p> <p>Announces the following updated forms:</p> <ul style="list-style-type: none"> ▪ Construction Activity Operator Permit Fee Form (revised 09/2014) ▪ Notice of Termination–General VPDES Permit for Discharges of Stormwater from Construction Activities (VAR10) (revised 01/2014) ▪ Registration Statement–General VPDES Permit for Discharges of Stormwater from Construction Activities (VAR10) (revised 07/2014) ▪ Transfer of Ownership Agreement Form–General VPDES Permit for Discharges of Stormwater from Construction Activities (VAR10) (revised 01/2014) 	
VA111414-9	Water Wastewater	11/17/2014	31.6 V.A.R 365	Notice	<p>State Water Control Board, Virginia Department of Environmental Quality</p> <p>Enforcement Action</p> <p>Announces proposed enforcement action for cities in Virginia's Tidewater Region, including Hampton, which would require management, operations, and maintenance programs to be developed to address defective sewage collection systems. Comments due 12/17/2014.</p>	LaRC should be aware of this action.
VA111414-10	Water Water Quality	11/17/2014	Virginia Town Hall Website	Notice	<p>State Water Control Board, Virginia Department of Environmental Quality</p> <p>Toxicity of Selenium to Aquatic Life</p> <p>Solicits comments on the draft Report to the General Assembly: Toxicity of Selenium to Aquatic Life. Comments due 12/05/2014.</p>	