



National Aeronautics and
Space Administration

Principal Center for Regulatory Risk Analysis and Communication

Regulatory Tracking Summary

19 September 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).

Contents of This Issue

Acronyms and Abbreviations	4
1.0 U.S. Federal Regulatory Review	5
1.1 Federal Register Summary	5
1.2 Other News and Developments	7
1.2.1 <i>European Chemical Agency Updates</i>	7
1.2.2 <i>Economics of Climate Change Report</i>	8
1.2.3 <i>Carbon Offset Valuation Report</i>	8
1.2.4 <i>World Meteorological Organization Annual Greenhouse Gas Bulletin</i>	8
1.2.5 <i>EPA Enforcement and Compliance History Online</i>	8
1.2.6 <i>Solvent Substitution Tool</i>	8
1.2.7 <i>Design for the Environment Safer Products Label</i>	8
1.2.8 <i>Motor Vehicle Emissions Simulator Update</i>	9
1.2.9 <i>NASA Missions Update</i>	9
1.2.10 <i>Drinking Water Innovation Centers</i>	9
1.2.11 <i>Water Quality Standards Academy</i>	9
1.2.12 <i>American Water Works Association Annual Conference and Exposition</i>	10
1.3 NASA Regulatory Communication Working Group Updates	10
2.0 State Regulatory Reviews	11
2.1 Alabama State Regulatory Review	11
2.2 California State Regulatory Review	11
2.2.1 <i>The Sustainable Groundwater Management Act</i>	12
2.2.2 <i>Next Phase of the Safer Consumer Products Program</i>	13
2.2.3 <i>California and Quebec to Hold First Joint Auction of Greenhouse Gas Emission Allowances</i>	13
2.2.4 <i>Colorado River Basin Groundwater Study</i>	13
2.2.5 <i>California Air Districts Regulatory Review</i>	13
2.2.5.1 <i>Antelope Valley Air Quality Management District</i>	13
2.2.5.2 <i>Bay Area Air Quality Management District</i>	13
2.2.5.3 <i>Eastern Kern Air Pollution Control District</i>	14
2.2.5.4 <i>Mojave Desert Air Quality Management District</i>	14
2.2.5.5 <i>South Coast Air Quality Management District</i>	14
2.2.5.6 <i>Ventura County Air Pollution Control District</i>	15
2.3 Florida State Regulatory Review	15
2.4 Louisiana State Regulatory Review	16
2.5 Maryland State Regulatory Review	16
2.6 Mississippi State Regulatory Review	17
2.7 New Mexico State Regulatory Review	17
2.7.1 <i>Wildfire Smoke Resources</i>	17

2.8	Ohio State Regulatory Review	18
2.9	Texas State Regulatory Review	18
2.10	Utah State Regulatory Review	19
2.11	Virginia State Regulatory Review	20

Acronyms and Abbreviations

ACE15 = Annual Conference and Exposition	NAA = Nonattainment area
AES = Automatic fire extinguishing system	NAAQS = National Ambient Air Quality Standards
AQ = Air quality	NAICS = North American Industry Classification System
AQB = Air Quality Bureau	NASA = National Aeronautics and Space Administration
ARB = Air Resources Board	NFIP = National Flood Insurance Program
AWWA = American Water Works Association	NFPA = National Fire Protection Association
CAS = Chemical Abstract Service	NMP = 1-Methyl-2-pyrrolidone
CATS = Cloud-Aerosol Transport System	NO ₂ = Nitrogen dioxide
CCR = California Code of Regulations	NPDES = National Pollutant Discharge Elimination System
CEC = California Energy Commission	OAC = Ohio Administrative Code
CFR = <i>Code of Federal Regulations</i>	OEHA = Office of Environmental Health Hazard Assessment
CO ₂ = Carbon dioxide	OEPA = Ohio Environmental Protection Agency
COMAR = Code of Maryland Regulations	PARIS = Program for Assisting the Replacement of Industrial Solvents
CRNR = <i>California Regulatory Notice Register</i>	PM _{2.5} = Particulate matter having an aerodynamic equivalent diameter of 2.5 microns or less
CWA = Clean Water Act	PM ₁₀ = Particulate matter having an aerodynamic equivalent diameter of 10 microns or less
DAPC = Division of Air Pollution Control	RACT = Reasonably available control technology
DAR = Division of Administrative Rules	REACH = Registration, Evaluation, Authorization and Restriction of Chemicals
DecaBDE = Bis(pentabromophenyl) ether	RIN = Regulatory Identification Number
DfE = Design for the Environment	RRAC PC = Principal Center for Regulatory Risk Analysis and Communication
DTSC = Department of Toxic Substances Control	SB = Senate Bill
EA = Environmental Assessment	SCAQMD = South Coast Air Quality Management District
ECHA = European Chemicals Agency	SCP = Safer Consumer Products
ECHO = Enforcement Compliance History Online	SEAC = Socio-economic analysis
EKAPCD = Eastern Kern Air Pollution Control District	SIP = State Implementation Plan
EPA = U.S. Environmental Protection Agency	SO ₂ = Sulfur dioxide
ESA = Endangered Species Act	SSC = Stennis Space Center
EU = European Union	TexReg = <i>Texas Register</i>
EUDP = Energy Use Disclosure Program	TMDL = Total maximum daily load
F.A.C. = Florida Administrative Code	TPDES = Texas Pollutant Discharge Elimination System
FAR = <i>Florida Administrative Register</i>	UDAQ = Utah Division of Air Quality
FEMA = Federal Emergency Management Agency	U.S. = United States
FONSI = Finding of no significant impact	UT = Utah
FR = <i>Federal Register</i>	VAC = Virginia Administrative Code
GHG = Greenhouse gas	VA.R. = <i>Virginia Register</i>
GPM = Global precipitation measurement	VCAPCD = Ventura County Air Pollution Control District
GRACE = Gravity Recovery and Climate Experiment	VDEQ = Virginia Department of Environmental Quality
GRC = Glenn Research Center	VOC = Volatile organic compound
GSFC = Goddard Space Flight Center	WMO = World Meteorological Organization
ISS = International Space Station	WQ = Water quality
JPL = Jet Propulsion Laboratory	WQCC = Water Quality Control Commission
LAC = Louisiana Administrative Code	WFF = Wallops Flight Facility
LaRC = Langley Research Center	WQSA = Water Quality Standards Academy
LiDAR = Light detection and ranging	WSTF = White Sands Test Facility
LPG = Liquefied petroleum gas	
LVLP = Low volume low pressure	
MAB = Mississippi Administrative Bulletin	
MAC = Mississippi Administrative Code	
MAF = Michoud Assembly Facility	
MDDELCC = Ministry of Sustainable Development, Environment and the Fight against Climate Change	
Md.R. = <i>Maryland Register</i>	
µg/m ³ = Micrograms per cubic meter	
MSFC = Marshall Space Flight Center	

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
FED091914-1	Air	09/11/2014	79 FR 54355 HTML PDF	Proposed Rule	<p>U.S. Environmental Protection Agency</p> <p>Revisions to Ambient Monitoring Quality Assurance and Other Requirements; Proposed Rule [40 CFR Part 58]</p> <p>Proposes to revise ambient air quality monitoring requirements for criteria pollutants. Proposed revisions are intended to:</p> <ul style="list-style-type: none"> ▪ Reorganize and clarify quality assurance requirements. ▪ Simplify and reduce data reporting and certification requirements. ▪ Clarify the annual monitoring network plan public notice requirements. ▪ Revise certain network design criteria for non-source lead monitoring. <p>Comments due 11/10/2014. [RIN 2060-AR59]</p>	
FED091914-2	Air	09/16/2014	79 FR 55477 HTML PDF	Notice	<p>U.S. Environmental Protection Agency</p> <p>Proposed Consent Decree, Clean Air Act Citizen Suit</p> <p>Announces availability of a proposed consent decree to address a lawsuit alleging that EPA failed to take action when certain states, including New Mexico and Utah, failed to submit required SIPs regarding the 2010 NO₂ NAAQS. The proposed consent decree would establish a deadline for EPA to take action. Comments due 10/16/2014.</p>	
FED091914-3	Air NAAQS-Ozone	09/08/2014	79 FR 53192 HTML PDF	Notice	<p>U.S. Environmental Protection Agency</p> <p>Release of Final Documents Related to the Review of the National Ambient Air Quality Standards for Ozone</p> <p>Announces availability of the following documents:</p> <ul style="list-style-type: none"> ▪ Policy Assessment for the Review of the Ozone NAAQS ▪ Health Risk and Exposure Assessment for Ozone ▪ Welfare Risk and Exposure Assessment for Ozone 	
FED091914-4	Commercial Space Transportation	09/15/2014	79 FR 55064 HTML PDF	Notice	<p>Federal Aviation Administration</p> <p>Office of Commercial Space Transportation; Notice of Availability of the Final Environmental Assessment (EA) for the Midland International Air and Space Port, City of Midland, Midland County, Texas, and Finding of No Significant Impact (FONSI)</p> <p>Announces the availability of the "Final Environmental Assessment for the Midland International Air and Space Port City of Midland, Midland County, Texas."</p>	

Tracking Number	Subject	Date Published	Citation	Type Action	Description	Suggested Actions
FED091914-5	Commercial Space Transportation	09/19/2014	79 FR 56430 HTML PDF	Notice Meeting	Federal Aviation Administration Office of Commercial Space Transportation; Notice of Availability and Request for Comment on the Draft Environmental Assessment (EA) for the Kodiak Launch Complex Launch Pad 3, Kodiak Island, Alaska Announces the availability of the " Draft Environmental Assessment for the Kodiak Launch Complex Launch Pad 3 ." The EA was prepared to evaluate the potential environmental impacts of adding an additional launch pad to the Kodiak site to expand launch capabilities. A meeting to discuss the EA is scheduled for 10/07/2014 in Kodiak, Alaska. Comments due 10/15/2014.	
FED091914-6	Environmental Justice	09/12/2014	79 FR 54708 HTML PDF	Notice Meeting	U.S. Environmental Protection Agency National Environmental Justice Advisory Council; Notification of Public Meeting and Public Comment Announces a meeting to discuss the relationship between sustainability and environmental justice, including the following areas: <ul style="list-style-type: none"> Climate adaptation Community sustainability Agency efforts on climate adaptation Meeting is scheduled for 10/01/2014 and 10/02/2014 in Arlington, Virginia, and as a teleconference.	
FED091914-7	Occupational Safety	09/19/2014	79 FR 56129 HTML PDF	Final Rule	Occupational Safety and Health Administration Occupational Injury and Illness Recording and Reporting Requirements-NAICS Update and Reporting Revisions [29 CFR Part 1904] Finalizes revisions to the requirements for reporting work-related fatalities, injuries, and illness information, including the following: <ul style="list-style-type: none"> Requires employers to report all work-related fatalities, in-patient hospitalizations, and amputations within a certain time period. Updates definitions and reporting options. Effective 01/01/2015. [RIN 1218-AC50]	
FED091914-8	Railroads	09/09/2014	79 FR 53356 HTML PDF	Proposed Rule	Federal Railroad Administration Securement of Unattended Equipment [49 CFR Part 232] Proposes amendments to the brake system safety standards, including the following: <ul style="list-style-type: none"> Codifying certain requirements in Emergency Order 28 (78 FR 48218, 08/07/2013). Adding securement requirements for unattended equipment, especially for trains transporting certain hazardous materials. Adding communication requirements for job briefings and securement verification. Requiring all locomotives left unattended outside of a yard to be equipped with an operative exterior locking mechanism. Comments due 11/10/2014. [RIN 2130-AC47]	
FED091914-9	Species Canada Lynx	09/12/2014	79 FR 54781 HTML PDF	Final Rule	U.S. Fish and Wildlife Service Endangered and Threatened Wildlife and Plants; Revised Designation of Critical Habitat for the Contiguous United States Distinct Population Segment of the Canada Lynx and Revised Distinct Population Segment Boundary [50 CFR Part 17] Finalizes certain actions related to the Canada lynx, including revisions to the boundary of the distinct population segment. This boundary is now considered to extend throughout the lower 48 U.S. states, wherever the lynx may be found. Effective 10/14/2014. [RIN 1018-AZ77]	NASA should be aware of this action.

Tracking Number	Subject	Date Published	Citation	Type Action	Description	Suggested Actions
FED091914-10	Vessels Commercial Barges	09/10/2014	79 FR 53621 HTML PDF	Final Rule	U.S. Coast Guard Lifesaving Devices–Uninspected Commercial Barges and Sailing Vessels [46 CFR Parts 2, 24, 25, 30, 70, 90, and 188] Requires the use of wearable personal flotation devices for individuals on board uninspected commercial barges and sailing vessels. Effective 10/10/2014. [RIN 1625-AB83]	MSFC should be aware of this action.
FED091914-11	Water NPDES	09/10/2014	79 FR 53702 HTML PDF	Notice	U.S. Environmental Protection Agency Final National Pollutant Discharge Elimination System (NPDES) Small Vessel General Permit for Discharges Incidental to the Normal Operation of Vessels Less Than 79 Feet Finalizes the NPDES Small Vessel General Permit to authorize discharges resulting from normal operation of non-military and non-recreational vessels less than 79 feet long. Effective 12/19/2014.	SSC should be aware of this action.
FED091914-12	Water NPDES	09/19/2014	79 FR 56274 HTML PDF	Final Rule Correction	U.S. Environmental Protection Agency National Pollutant Discharge Elimination System (NPDES): Use of Sufficiently Sensitive Test Methods for Permit Applications and Reporting; Correction [40 CFR Part 122] Corrects final rule (79 FR 49001 , 08/19/2014) specific to two minor paragraph citations. Effective 09/18/2014. [RIN 2040-AC84]	
FED091914-13	Water Wastewater	09/16/2014	79 FR 55472 HTML PDF	Notice	U.S. Environmental Protection Agency Final 2012 and Preliminary 2014 Effluent Guidelines Program Plans and 2012 and 2013 Annual Effluent Guidelines Review Reports Announces availability of the following documents: <ul style="list-style-type: none"> ▪ Final 2012 and Preliminary 2014 Effluent Guidelines Program Plans ▪ The 2012 Annual Effluent Guidelines Review Report ▪ The 2013 Annual Effluent Guidelines Review Report Comments due 11/17/2014. [RIN 2040-ZA18]	

1.2 Other News and Developments

1.2.1 European Chemical Agency Updates

As part of its implementation of the European Union's (EU's) regulation on the Registration, Evaluation, Authorization and Restriction of Chemicals ([REACH](#)), the European Chemicals Agency ([ECHA](#)) recently launched a public [consultation](#) regarding its proposal to add bis(pentabromophenyl) ether (DecaBDE), a flame retardant, to the [List of Restrictions](#). Substances on the List of Restrictions have the potential to be limited or banned from manufacture, use, or placement on the market in the EU, usually related to specific applications. Comments are due 17 March 2015.

In addition, ECHA has announced public [consultations](#) for the Committee for Socio-Economic Analysis ([SEAC](#)) opinion regarding the restriction of two substances, listed in the following table. The SEAC evaluates the socioeconomic impact that might result from restriction of a substance or substances. SEAC opinions have the potential to affect the final form of restriction. Comments are due 14 November 2014.

Substance Name	CAS Number	Common Uses of Substance
1-methyl-2-pyrrolidone (NMP)	872-50-4	Solvents, chemical manufacturing
Cadmium and its compounds (in paints)	7440-43-9	Paints

Although requirements associated with REACH do not affect operations in the U.S. directly, they can affect the global supply chain and potentially reduce the future availability of regulated substances.

1.2.2 Economics of Climate Change Report

The [Global Commission on the Economy and Climate](#) recently [released](#) a report titled, "[The New Climate Economy](#)." The purpose of the commission is to analyze and report the economic benefits and costs of addressing climate change. The New Climate Economy, the commission's primary project, provides information regarding potential actions nations can take to promote economic growth and improve resiliency to prepare for the potential impacts of climate change.

1.2.3 Carbon Offset Valuation Report

The International Carbon Reduction and Offset Alliance released a [research report](#), titled "Unlocking the Hidden Value of Carbon Offsetting." The report presents the results of a study about the socio-economic impacts of the voluntary carbon market. The goals of the research were to identify reasons to participate in voluntary carbon offsetting and to quantify the social, economic, and environmental benefits resulting from carbon-offset projects. The report states that each ton of carbon dioxide offset results in \$664 in benefits to the communities in which the carbon reduction projects are based.

1.2.4 World Meteorological Organization Annual Greenhouse Gas Bulletin

On 09 September 2014, the World Meteorological Organization (WMO) [released](#) its annual assessment of greenhouse gases (GHGs), titled "[Greenhouse Gas Bulletin](#)," which provides information about GHGs in Earth's atmosphere based on global observations through 2013. The bulletin reports that there was a 34-percent increase in radiative forcing resulting from GHGs, including carbon dioxide (CO₂), methane, and nitrous oxide between 1990 and 2013. In addition, WMO data indicates that CO₂ levels increased more between 2012 and 2013 than in any other year since 1982.

1.2.5 EPA Enforcement and Compliance History Online

EPA recently [released](#) Version 2.3 of the Enforcement and Compliance History Online ([ECHO](#)), which contains publicly available data from EPA's compliance and enforcement databases. Version 2.3 includes the addition of Resource Conservation and Recovery Act hazardous waste and EPA Civil Enforcement Case compliance data searching.

1.2.6 Solvent Substitution Tool

EPA recently launched the [Program for Assisting the Replacement of Industrial Solvents \(PARIS\) III](#) solvent substitution tool. The tool is a computer application created to allow users to locate mixtures of solvents with user-defined chemical and physical properties and relatively low overall environmental impacts. The goal of the tool is to provide technicians, engineers, and consultants with safer alternatives to commonly used industrial solvents.

1.2.7 Design for the Environment Safer Products Label

EPA's Design for the Environment (DfE) is [soliciting](#) comments about potential options for the redesigned Safer Products Label. The Safer Product Labeling Program is a voluntary program

intended to identify high-performance and cost-effective products with safer ingredients than traditional products. Products that meet criteria specified by the DfE receive the DfE Safer Product Label. [Comments](#) are due 31 October 2014.

1.2.8 Motor Vehicle Emissions Simulator Update

EPA recently announced that the Motor Vehicle Emissions Simulator ([MOVES](#)) 2014 contains an error in its nonroad emissions calculations. MOVES2014, released in July, is the latest version of the MOVES model and includes EPA's NONROAD2008 model, which allows users to estimate emissions from both on-road and nonroad mobile sources. According to EPA, the current version of MOVES2014 underestimates nonroad emissions by a factor of 30, and modelers should wait for the release of an updated version of MOVES2014 or use NONROAD2008 to estimate nonroad emissions.

1.2.9 NASA Missions Update

NASA has [announced](#) the availability of rain, snowfall, and other types of precipitation [data](#) collected by the Global Precipitation Measurement (GPM) Core Observatory. Data collected by the GPM Core Observatory, launched on 27 February 2014, is used to unify and standardize precipitation measurements from various other satellites. Additional information is available on the GPM [website](#).

In addition, NASA recently [announced](#) the following project updates:

- ISS-RapidScat: ISS-RapidScat will be placed on the ISS to collect wind data to assist in climate research, weather and marine forecasting, and storm tracking. This mission was launched on 20 September 2014.
- Cloud-Aerosol Transport System (CATS): The purpose of the CATS mission is to monitor particulate matter in the atmosphere using a light detection and ranging (LiDAR) system that will be installed on the ISS. The CATS mission is targeted for launch in December 2014.

1.2.10 Drinking Water Innovation Centers

EPA has [announced](#) that it will sponsor the following two new [drinking water innovation centers](#) in an effort to research relevant issues for small- to medium-sized drinking water systems:

- Design of Risk-reducing Innovative Implementable Small-system Knowledge Center at the University of Colorado at Boulder
- Water Innovation Network for Sustainable Small Systems at the University of Massachusetts-Amherst

The purpose of the two centers will be to develop and test advanced, low-cost methods to reduce, control, and eliminate constituents of common concern.

1.2.11 Water Quality Standards Academy

EPA has scheduled the Water Quality Standards Academy ([WQSA](#)) for 08 through 12 December 2014 in Washington, D.C. The WQSA is classroom-based training that provides introductory water quality information, including the following topics:

- Interpretation and application of water quality standards regulation
- Policies and program guidance
- Development of water quality criteria

Additional information and web-based training modules are available on the WQSA website. [Applications](#) for attendance must be submitted by 10 October 2014.

1.2.12 American Water Works Association Annual Conference and Exposition

The American Water Works Association (AWWA) has scheduled the 2015 Annual Conference and Exposition ([ACE15](#)) for 08 through 10 June 2015 in Anaheim, California. ACE15 will focus on the following water and wastewater-related topics:

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

1.3 NASA Regulatory Communication Working Group Updates

The next Regulatory Communication Working Group call will be held on Wednesday, 15 October 2014, at 10 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

No regulatory items of interest were identified during this reporting period for [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	Suggested Actions
CA091914-1	Air Diesel Vehicles	09/12/2014	ARB Website	Proposed Rule	<p>California Air Resources Board</p> <p>Notice of Proposed Second Modified Text of Amendments to the Regulation to Reduce Emissions of Diesel Particulate Matter, Oxides of Nitrogen, and Other Criteria Pollutants from In-Use Heavy-Duty Diesel-Fueled Vehicles [13 CCR 2025]</p> <p>Announces availability of second modified text for proposed amendments to the Truck and Bus Regulation. The modifications would revise the definition of "new fleet" and remove the labeling requirement for the Economic Hardship Extension. Comments due 09/29/2014.</p> <p>The Truck and Bus Regulation applies to diesel vehicles with a gross vehicle weight rating greater than 14,000 pounds. Additional information is available on the ARB website.</p>	
CA091914-2	Building Standards Fire Safety	09/12/2014	CRNR 2014, 37z, p. 1632	Final Rule	<p>Office of the State Fire Marshal</p> <p>Automatic Extinguishing Systems--NFPA 25-2011 [19 CCR 901, 902.2, 903.1-903.2, 904, 904.1-904.2, 905, 905.1-905.3, 906.1-906.4, and 907-908]</p> <p>Adopts AES regulation amendments intended to:</p> <ul style="list-style-type: none"> ▪ Clarify enforcement and maintenance of the requirements of the AES licensing program. ▪ Update inspection, testing, and maintenance requirements for all water-based AES. <p>Effective 08/28/2014.</p>	
CA091914-3	Energy Buildings	09/12/2014	CRNR 2014, 37z, p. 1628	Final Rule	<p>California Energy Commission</p> <p>Amendment to the EUDP Compliance Schedule [20 CCR 1682(c)]</p> <p>Revises the dates for applicability of disclosure requirements to nonresidential buildings with a gross total square foot area measuring between 5,000 and 10,000 square feet from 07/01/2014 to 07/01/2016. Effective 09/02/2014.</p> <p>The EUDP requires nonresidential buildings to disclose annual energy usage. Additional information is available on the CEC website.</p>	

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description	Suggested Actions
CA091914-4	Natural Resources Floods	09/10/2014	79 FR 53717 HTML PDF	Proposed Rule	Federal Emergency Management Agency Proposed Flood Hazard Determinations Proposes revisions to flood hazard determinations for Los Angeles County, California. Comments due 12/09/2014. 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.	JPL should be aware of this action.
CA091914-5	Toxic Substances Proposition 65	09/12/2014	CRNR 2014, 37z, p. 1627	Proposed Rule	Office of Environmental Health Hazard Assessment Second Notice of Modification to Text of Proposed Regulation re: Listings by Reference to the California Labor Code [27 CCR 25904] Announces availability of modified proposed regulations intended to clarify the procedure and criteria used to add and remove chemicals from the list of chemicals known to the state to cause cancer or reproductive toxicity under the labor code listing mechanism. Comments due 09/29/2014. Additional information is available on the OEHHA website.	
CA091914-6	Toxic Substances Proposition 65	09/19/2014	CRNR 2014, 38z, p. 1652	Notice	Office of Environmental Health Hazard Assessment Request for Public Participation Potential Regulatory Actions [27 CCR 25104, 25501, 25701, 25703(b), 25721, 25801, and 25821] Solicits input about regulatory actions that would affect the following: <ul style="list-style-type: none"> ▪ Alternative risk levels for chemicals in foods ▪ Naturally occurring regulation ▪ Safe use determination process ▪ Regulatory provisions on averaging exposures ▪ List of priority chemicals that affect Safe Harbor levels ▪ Postnatal developmental exposure data Comments due 11/17/2014. Additional information is available on the OEHHA website.	

2.2.1 The Sustainable Groundwater Management Act

On 16 September 2014, the Governor of California [signed](#) Senate Bill (SB) 1168, the [Sustainable Groundwater Management Act](#). Under the act, basins designated by the California Department of Water Resources as "medium-" or "high-priority" basins will be required to establish a groundwater sustainability agency and to develop a groundwater sustainability plan. Each groundwater sustainability plan must include certain required components and set a path to eliminating adverse groundwater conditions by approximately 2040. If an applicable basin does not comply with the act's requirements, the State Water Resources Control Board may intervene and adopt its own sustainability plan for the basin.

The Department of Water Resources is expected to designate basin categories by the end of January 2015. Groundwater sustainability agencies must be established by 01 January 2017. Agencies for basins subject to "critical conditions of overdraft" must adopt a plan by 01 January 2020, and agencies for all other "medium-" or "high-priority" basins must adopt a plan by 01 January 2022.

2.2.2 Next Phase of the Safer Consumer Products Program

The Department of Toxic Substances Control (DTSC) released a draft 3-year [Work Plan](#) in preparation for implementation of the next phase of its [Safer Consumer Products \(SCP\) Regulation](#). The Work Plan requires DTSC to review a wide variety of consumer products and to determine the products it will identify as "Priority Products" subject to analysis under the regulations. The Work Plan will provide guidance for evaluating certain product categories including, but not limited to, the following for possible identification:

- Building products including flooring; painting; and sealants, fillers, and adhesives
- Cleaning products including fresheners and deodorizers; cleaners; and surface care
- Household furniture; office furniture; and similar items including fabric and textile furnishings and office seating
- Office machinery consumable products including inks and toners and specialty paper

A public workshop is scheduled for 29 September 2014 in Cypress, California. Additional information is available on the SCP [website](#).

2.2.3 California and Quebec to Hold First Joint Auction of Greenhouse Gas Emission Allowances

The California Air Resources Board (ARB) and Quebec's Ministry of Sustainability Development, Environment, and the Fight Against Climate Change (MDDELCC) [scheduled](#) the first joint auction for the jurisdictions' linked Cap-and-Trade programs on 19 November 2014. Each jurisdiction's Cap-and-Trade program supports mitigation of total GHG emissions. The programs became [linked](#) on 01 January 2014, enabling the use of GHG allowances issued by either program in an effort to comply with Cap-and-Trade program requirements. November's joint auction will be available on the same online platform both parties previously used for individual Cap-and-Trade auctions. This online platform was tested by stakeholders during the August 2014 [joint practice auction](#) and proved successful. Additional information is available on the ARB's Joint Auctions [website](#).

2.2.4 Colorado River Basin Groundwater Study

Scientists from NASA and the University of California at Irvine recently [released](#) a scientific [article](#) regarding groundwater in the Colorado River Basin, which is currently in a prolonged state of drought. As part of the study, the authors referenced data from NASA's Gravity Recovery and Climate Experiment ([GRACE](#)) to quantify changes in surface water and groundwater quantities. The report indicated that more than 75 percent of water loss in the Colorado River Basin since 2004 came from underground resources and that the Colorado River Basin lost nearly 53-million acre-feet of freshwater between December 2004 and November 2013.

2.2.5 California Air Districts Regulatory Review

2.2.5.1 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](#).

2.2.5.2 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](#).

2.2.5.3 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
CAE091914-1	Air	09/16/2014	EKAPCD Website	Notice	Eastern Kern Air Pollution Control District Rule Development Workshop Presentations Announces availability of the Fee Rules Presentation and Rule 402 and Rule 402.2 Presentation provided at the 09/16/2014 rule development workshop.	

2.2.5.4 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](#).

2.2.5.5 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
CAS091914-1	Air Coatings–VOC	09/17/2014	SCAQMD Website	Final Rule	South Coast Air Quality Management District Mobile Vehicle And Mobile Equipment Non-Assembly Line Coating Operations [Rule 1151] Finalizes amendments to Rule 1151 , including the following: <ul style="list-style-type: none"> ▪ Removing obsolete language. ▪ Making minor revisions and editorial changes ▪ Revising definitions ▪ Adding transfer efficiency equivalency requirements for LVLP spray equipment ▪ Adding an exemption for automotive graphic arts operations Effective 09/05/2014. The intent of Rule 1151 is to reduce VOC emissions associated with the coating of mobile equipment.	

2.2.5.6 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	Suggested Actions
CAV091914-1	Air VOC	09/08/2014	VCAPCD Website	Notice Workshop	<p>Ventura County Air Pollution Control District Liquefied Petroleum Gas Transfer or Dispensing [Rule 74.33]</p> <p>Announces a public workshop focusing on proposed amendments to Rule 74.33. Revisions are intended to reduce VOC emissions from the transfer and dispensing of LPG. This rule would apply to certain activities involving the transfer of LPG to and from any cargo tank, stationary tank, portable tank, or cylinder. Exemptions include the following sources:</p> <ul style="list-style-type: none"> ▪ Cylinders installed on recreational vehicles ▪ Containers with a capacity of less than 4 gallons <p>Public workshop is scheduled for 10/28/2014 in Ventura, California.</p> <p>Additional information about Rule 74.33 is available in the Staff Report.</p>	

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
FL091914-1	Species Coral	09/10/2014	79 FR 53851 HTML PDF	Final Rule	<p>National Oceanic and Atmospheric Administration Endangered and Threatened Wildlife and Plants: Final Listing Determinations on Proposal To List 66 Reef-Building Coral Species and To Reclassify Elkhorn and Staghorn Corals [50 CFR Part 223]</p> <p>Finalizes listing of the following species as threatened under the ESA:</p> <ul style="list-style-type: none"> ▪ Pillar Coral ▪ Lobed Star Coral ▪ Mountainous Star Coral ▪ Boulder Star Coral ▪ Rough Cactus Coral <p>Also reclassifies Elkhorn and Staghorn corals as threatened and solicits information relevant to the designation of critical habitat for newly listed species. Effective 10/10/2014. Comments due 11/10/2014. [RIN 0648-XT12]</p>	Aquarius Reef Base Lab should be aware of this action.
FL091914-2	Waste	09/19/2014	FAR Notice #14998351	Notice Meeting	<p>Department of Environmental Protection Contaminated Media Forum</p> <p>Announces a meeting to discuss the following topics:</p> <ul style="list-style-type: none"> ▪ Ecological Risk Assessment Guidance Document - Final Draft ▪ Draft Leachability Guidance ▪ Applicability of Direct Exposure Cleanup Target Levels ▪ Probabilistic Risk Assessment ▪ Institutional Controls Procedures Guidance Updates <p>Meeting is scheduled for 10/16/2014 in Tallahassee, Florida, and will be available as a webinar.</p> <p>Additional information is available on the Forum's website.</p>	

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
LA091914-1	Air NAAQS	09/20/2014	AQ334ft	Final Rule	Louisiana Department of Environmental Quality Ambient Air Quality Standards [LAC 33:III.711 and 918] Finalizes amendments intended to align state air regulations with updates to the federal NAAQS for criteria pollutants and the designated NAA for SO ₂ . Effective 09/20/2014. Final rule lists St. Bernard Parish as an NAA for SO₂, and Orleans and Plaquemines Parishes as adjoining the NAA.	MAF should be aware of this action.
LA091914-2	Air Permitting	09/20/2014	AQ266	Proposed Rule	Louisiana Department of Environmental Quality Minor Source Permit Requirements [LAC 33:III.503 and 519] Proposes to establish a maximum term of 10 years for minor source permits and procedures for permit renewals. Public hearing is scheduled for 10/29/2014 in Baton Rouge, Louisiana. Comments due 11/05/2014.	MAF should be aware of this action.
LA091914-3	Air SIP	09/20/2014	1409Pot1	Notice	Louisiana Department of Environmental Quality 2012 Fine Particulate Matter 2.5 (PM _{2.5}) National Ambient Air Quality Standards (NAAQS) State Implementation Plan (SIP) Revisions Announces intentions to submit to EPA an update to the SIP, which indicates that Louisiana is in compliance with the revised federal primary PM _{2.5} NAAQS of 12 µg/m ³ . Comments due 10/20/2014.	
LA091914-4	Water	09/20/2014	WQ089ft	Final Rule	Louisiana Department of Environmental Quality Chapter 49 Incorporation by Reference Update Finalizes amendments to water regulations to incorporate by reference federal regulations for analytical testing methods for pollutants and effluent guidelines and standards. Effective 09/20/2014.	

2.5 Maryland State Regulatory Review

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

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description	Suggested Actions
MD091914-1	Water Permitting	05/16/2014	41:19 Md.R. 1082	Final Rule	Department of the Environment Water Pollution Permits [COMAR 26.08.04] Amends regulations to add eligible discharge categories to the General Permit for Dewatering, Hydrostatic Testing, and Groundwater Remediation, including the following: <ul style="list-style-type: none"> ▪ Extracted water from an aquifer test ▪ Wastewater from construction dewatering ▪ Treated foundation drainage ▪ Air stripping, activated carbon adsorption, or equivalently treated wastewater from groundwater remediation sites not covered by the General Discharge Permit of Treated Ground Water From Oil Contaminated Ground Water Sources to Surface of Ground Waters of the State Effective 09/29/2014.	GSFC should be aware of this action.

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	Suggested Actions
MS091914-1	Water 303(d) List	09/11/2014	MAB #20771	Final Rule	Mississippi Department of Environmental Quality Mississippi 2014 Section 303(d) List of Impaired Water Bodies [11 MAC Part 6, Chapter 9] Finalizes replacement of the Mississippi 2012 Section 303(d) List with the Mississippi 2014 Clean Water Act Section 303(d) List of Impaired Water Bodies, which identifies current impaired state waters for which TMDLs will be developed. Effective 10/11/2014. Turtle Skin Creek, located near SSC, is included in the 303(d) list.	SSC should be aware of this action.

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
NM091914-1	Water Water Quality	09/12/2014	Surface Water Quality Bureau	Notice	Surface Water Quality Control Bureau Final Approved Upper Gila, San Francisco, Mimbres Watersheds TMDL Announces approval of the Final Draft of the Upper Gila, San Francisco, and Mimbres Watersheds TMDL .	WSTF should be aware of this action.
NM091914-2	Water Water Quality	09/12/2014	Surface Water Quality Bureau	Notice	Surface Water Quality Control Bureau Approval of WQCC-Approved 303d-305bList/Report Announces submittal of the " WQCC-Approved 303d-305bList/Report " to EPA Region 6 for final approval. The " State of New Mexico CWA Section 303(d)/Section 305(b) Integrated Report " and Appendix A supporting documentation are available for review. Listed water bodies in Dona Ana County or near WSTF include the Rio Grande and Lake Lucero. Listed watersheds in Dona Ana County include the Mimbres and Tularosa Valley.	WSTF should be aware of this action.
NM091914-3	Water Water Quality	09/15/2015	WQCC	Notice	Water Quality Control Commission Monthly Public Meeting of the WQCC Announces a meeting of the WQCC, scheduled for 10/14/2014 in Santa Fe, New Mexico. A draft agenda will be published 10 days prior to the meeting.	WSTF should be aware of this action.

2.7.1 Wildfire Smoke Resources

The Air Quality Bureau (AQB) has updated the state Wildfire Smoke Resources [website](#) in an effort to enhance public awareness regarding current air quality conditions. The AQB added the 5-3-1 Mile Visibility Method, which provides recommended criteria to assist with air quality acceptability determinations. Additional information is available on the New Mexico Environmental Public Health Tracking [website](#).

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
OH091914-1	Air Emergency Episodes	09/12/2014	DAPC - What's New	Proposed Rule Hearing	<p>Division of Air Pollution Control, Ohio Environmental Protection Agency</p> <p>Emergency Episodes and Ambient Air Quality [OAC 3745-25]</p> <p>Proposes amendments to the Emergency Episode and Ambient Air Quality standards, including the following:</p> <ul style="list-style-type: none"> ▪ Updates to <i>Federal Register</i> references ▪ Revises references to the federal PM_{2.5} standards ▪ Corrects the NO₂ emergency level ▪ Corrects minor grammatical errors <p>Proposed amendments are intended to better align state regulations with federal requirements and make editorial revisions. OEPA proposes these revisions as part of its 5-year review. Synopsis of proposed amendments is available for review. Hearing is scheduled for 10/21/2014 in Columbus, Ohio. Comments due 10/21/2014.</p>	
OH091914-2	Air Reporting	09/15/2014	79 FR 54978 HTML PDF	Notice	<p>U.S. Environmental Protection Agency</p> <p>Operating Permit Program—Reporting Requirements for Title V Compliance Certification</p> <p>Announces that submittal of the Title V compliance certifications to OEPA satisfies federal reporting requirements. Effective 09/15/2014.</p> <p>This action applies to Region 5 facilities only.</p>	GRC 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
TX091914-1	Water TPDES Permitting	06/20/2014	39 TexReg 5188	Final Rule	<p>Texas Commission on Environmental Quality</p> <p>Airport Deicing Rules [40 CFR Part 449]</p> <p>Finalizes the adoption of 40 CFR Part 449 into the Texas Administrative Code, which will implement effluent guidelines and standards in an effort to control pollutant discharges from airport deicing operations. Effective 07/10/2014.</p>	

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
UT091914-1	Air SIP	09/10/2014	UDAQ Website	Proposed Rule Change	Utah Department of Environmental Quality; Division of Air Quality Control Measures for Area and Point Sources, Fine Particulate Matter [SIP Section IX.A.21 and R307-110-10] Changes proposed rule that would revise the SIP by extending the timeframe to demonstrate attainment with the NAAQS in Salt Lake County from 2015 to 2019, and for Cache County from 2014 to 2015. Hearing is scheduled for 10/20/2014 in Salt Lake City, Utah. Comments due 10/31/2014.	NASA-related operations in Salt Lake and Cache counties, Utah , should be aware of this action.
UT091914-2	Air SIP	09/10/2014	UDAQ Website	Proposed Rule Change	Utah Department of Environmental Quality; Division of Air Quality Control Measures for Area and Point Sources, Part H, Emissions Limits [SIP Section IX.H.11, 12, and 13 and R307-110-17] Changes proposed rule that would revise the SIP by extending the RACT implementation deadline at area and point sources from 2015 to 2019. Hearing is scheduled for 10/20/2014 in Salt Lake City, Utah. Comments due 10/31/2014.	NASA-related operations in Utah should be aware of this action.
UT091914-3	Air Solid Fuel Burning	09/10/2014	UDAQ Website	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 to prohibit solid fuel burning by certain industrial and commercial sources during mandatory no-burn periods. Comments due 10/31/2014. R307-302 applies to any device used for burning wood, coal, or any other nongaseous and non-liquid fuel, both indoors and outdoors within the PM₁₀ and PM_{2.5} non-attainment areas. The majority of sources affected include fireplaces, woodstoves, and wood or coal fired boilers.	NASA-related operations in Utah should be aware of this action.
UT091914-4	Water Water Quality	09/15/2014	UT Bull. Vol. 2014-18; DAR File No. 38530	Proposed Rule Change	Utah Department of Environmental Quality; Division of Water Quality Requirements for Waste Discharges. New Technology-Based Limits for Controlling Nutrient Pollution [R317-1-3] Changes proposed rule (DAR No. 38530 , 06/01/2014), as follows: <ul style="list-style-type: none"> ▪ Replaces the term "exception" with "variance." ▪ Deletes the exception in Subsection R317-1-3(3.3)(C)(2). ▪ Adds a variance that would allow permittees the opportunity to propose innovative alternative approaches to complying with effluent limits. ▪ Modifies water quality monitoring requirements for facilities that discharge less than 5 million gallons per day. Comments due 10/15/2014.	

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
VA091914-1	Energy Water	09/19/2014	Virginia Town Hall Website	Notice	Virginia Department of Environmental Quality Small Renewable Energy (water-related) Permit by Rule Regulation [9VAC15-80] Solicits comments on the continued recommendation that development of a permit-by-rule regulation for projects generating electricity from water-related renewable energy sources is not necessary. Comments due 10/20/2014.	
VA091914-2	Water TMDL	09/19/2014	Virginia Town Hall Website	Notice Meeting	Virginia Department of Environmental Quality TMDL Implementation Plans for Back and Poquoson Rivers Announces a public meeting to discuss the development of implementation plans to address fecal bacteria impairments in the Back and Poquoson Rivers. Meeting is scheduled for 10/22/2014 in Hampton, Virginia.	LaRC should be aware of this action.
VA091914-3	Water TMDL	09/19/2014	VDEQ Website	Proposed Rule	State Water Control Board, Virginia Department of Environmental Quality Water Quality Management Planning Regulation [9VAC25-720] Proposes the following actions: <ul style="list-style-type: none"> ▪ Approve the TMDL report for the Chesapeake Bay-Small Coastal-Eastern Shore Basin. ▪ Authorize addition of the TMDL report in the Water Quality Management Plan. ▪ Adopt the TMDL waste load allocation for the Chesapeake Bay-Small Coastal-Eastern Shore Basin. Comments due 11/06/2014.	WFF should be aware of this action.
VA091914-4	Water Water Quality	09/17/2014	Virginia Town Hall Website	Notice	Virginia Department of Environmental Quality Non-point Source Assessment of the Virginia Water Quality Assessment (305b) Report Solicits comments on draft Chapter 5 Non-Point Source Assessment, Prioritization, and Activities of the Virginia Water Quality Assessment (305b) Report. Comments due 10/17/2014.	