



National Aeronautics and
Space Administration

Principal Center for Regulatory Risk Analysis and Communication

Regulatory Tracking Summary

24 January 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 "78 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	3
1.0 U.S. Federal Regulatory Review	4
1.1 Federal Register Summary	4
1.2 Other News and Developments	6
1.2.1 Hazardous Waste e-Manifest System	6
1.2.2 European Union REACH Regulation Update	6
1.2.3 Green Procurement Tool	6
1.2.4 NASA Center Renamed after Neil A. Armstrong	7
1.2.5 NASA Missions Update	7
1.2.6 Flame-resistant Carbon Nanotube-based Coating	7
1.2.7 Utility Energy Services Contract Training	7
1.2.8 Green and Sustainable Remediation Web-based Training	8
1.2.9 International Conference on Environmental Science and Technology	8
1.2.10 Ecological Risk Assessment Webinars	8
1.2.11 Interstate Technology & Regulatory Council Spring Meeting	8
1.3 NASA Regulatory Communication Working Group Updates	9
2.0 State Regulatory Reviews	10
2.1 Alabama State Regulatory Review	10
2.2 California State Regulatory Review	10
2.2.1 2013 Integrated Energy Policy Report	12
2.2.2 Drought State of Emergency	12
2.2.3 Department of Toxic Substances Control 2014-2018 Strategic Plan	12
2.2.4 California Air Districts Regulatory Review	13
2.2.4.1 Antelope Valley Air Quality Management District	13
2.2.4.2 Bay Area Air Quality Management District	13
2.2.4.3 Eastern Kern Air Pollution Control District	13
2.2.4.4 Mojave Desert Air Quality Management District	13
2.2.4.5 South Coast Air Quality Management District	13
2.2.4.6 Ventura County Air Pollution Control District	14
2.3 Florida State Regulatory Review	14
2.4 Louisiana State Regulatory Review	15
2.5 Maryland State Regulatory Review	15
2.6 Mississippi State Regulatory Review	15
2.7 New Mexico State Regulatory Review	15
2.7.1 Improving Environmental Permitting Performance Report	15
2.8 Ohio State Regulatory Review	15
2.9 Texas State Regulatory Review	16
2.10 Utah State Regulatory Review	16
2.11 Virginia State Regulatory Review	16

Acronyms and Abbreviations

AASci = American Academy of Sciences	LiDAR = Light detection and ranging
AQB = Air Quality Bureau	LLRW = Low-level radioactive waste
ATTREX = Airborne Tropical Tropopause Experiment	LR = <i>Louisiana Register</i>
BARCT = Best Available Retrofit Control Technology	$\mu\text{g}/\text{m}^3$ = Micrograms per cubic liter
BAAQMD = Bay Area Air Quality Management District	MSFC = Marshall Space Flight Center
CATS = Cloud-Aerosol Transport System	NASA = National Aeronautics and Space Administration
CCR = California Code of Regulations	NIST = National Institute of Standards and Technology
CEC = California Energy Commission	NO_x = Nitrogen oxides
CEQA = California Environmental Quality Act	NPS = Non-point source
CFR = <i>Code of Federal Regulations</i>	NRC = Nuclear Regulatory Commission
CNRA = California Natural Resources Agency	NSR = New Source Review
CO_2 = Carbon dioxide	NWETC = Northwest Environmental Training Center
CO_2e = Carbon dioxide equivalent	OAC = Ohio Administrative Code
CRNR = <i>California Regulatory Notice Register</i>	OCO = Orbiting Carbon Observatory
CTG = Control Techniques Guidelines	OEHHA = Office of Environmental Health Hazard Assessment
CUP = Consumptive Use Permit	OEPA = Ohio Environmental Protection Agency
DAPC = Division of Air Pollution Control	OPR = Office of Planning and Research
DFRC = Dryden Flight Research Center	OSHSB = Occupational Safety and Health Standards Board
DMF = N,N-dimethylformamide	PAL = Plantwide applicability limit
DNAPL = Dense non-aqueous phase liquid	PBS = Plum Brook Station
DOE = U.S. Department of Energy	PEL = Permissible exposure limit
DSW = Division of Surface Water	ppb = Parts per billion
DTSC = Department of Toxic Substances Control	ppm = Parts per million
ECHA = European Chemicals Agency	RCRA = Resource Conservation and Recovery Act
EPA = U.S. Environmental Protection Agency	REACH = Registration, Evaluation, Authorization and Restriction of Chemicals
ERA = Ecological Risk Assessment	RECLAIM = Regional Clean Air Incentives Market
ERAGS = Ecological Risk Assessment Guidance for Superfund	REL = Reference exposure level
EU = European Union	RIN = Regulatory Identification Number
F.A.C. = Florida Administrative Code	RRAC PC = Principal Center for Regulatory Risk Analysis and Communication
FAR = <i>Florida Administrative Register</i>	SCAQMD = South Coast Air Quality Management District
FEMP = Federal Energy Management Program	SCR = Selective catalytic reduction
FR = <i>Federal Register</i>	SFTool = Sustainable Facilities Tool
GHG = Greenhouse gas	SIP = State Implementation Plan
GHS = Globally Harmonized System	SMAP = Soil Moisture Active Passive
g/L = Grams per liter	SO_2 = Sulfur dioxide
GPC = Green Procurement Compilation	SSFL = Santa Susana Field Laboratory
GPM = Global Precipitation Measurement	SVHC = Substances of very high concern
GRC = Glenn Research Center	SWRCB = State Water Resources Control Board
GSA = General Services Administration	TSCA = Toxic Substances Control Act
GSR = Green and sustainable remediation	TWA = Time-weighted average
HAZCOM = Hazard communication	UESC = Utility Energy Services Contracts
HFO = Hydrofluoroolefin	U.S. = United States
HPV = High production volume	USFWS = U.S. Fish and Wildlife Service
HR = House of Representatives	VAC = Virginia Administrative Code
ICEST = International Conference on Environmental Science and Technology	VA.R. = <i>Virginia Register</i>
IEPR = Integrated Energy Policy Report	VCAPCD = Ventura County Air Pollution Control District
ISS = International Space Station	VDEQ = Virginia Department of Environmental Quality
ITC = Interagency Testing Committee	VOC = Volatile organic compound
ITRC = Interstate Technology & Regulatory Council	VPDES = Virginia Pollution Discharge Elimination System
JAXA = Japanese Aerospace Exploration Agency	VSMP = Virginia Stormwater Management Program
JPL = Jet Propulsion Laboratory	WFF = Wallops Flight Facility
KSC = Kennedy Space Center	
LAC = Louisiana Administrative Code	
LaRC = Langley Research 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
FED012414-1	Air Emissions Modeling	01/14/2014	79 FR 2437 HTML PDF	Notice	U.S. Environmental Protection Agency Notice of Availability of the Environmental Protection Agency's 2018 Emissions Modeling Platform Announces the availability of the 2018 Emissions Modeling Platform data. The Platform consists of emission inventory data, supporting data used to develop the 2018 emission inventories, and methods and data that are used to process emission inventories into a form that can be used for air quality modeling. Comments due 06/30/2014.	
FED012414-2	Energy	01/14/2014	79 FR 2575 HTML PDF	Notice	Executive Office of the President Establishing a Quadrennial Energy Review Establishes a Quadrennial Energy Review initiative. Creates a task force that will develop quadrennial reports intended to strengthen energy policy by addressing policy issues and providing future recommendations. Submittal of the first report, which is focused on vulnerabilities in the infrastructure for transporting, transmitting, and delivering energy, is scheduled for 01/31/2015.	
FED012414-3	Occupational Safety Fire Safety	01/13/2014	79 FR 2253 HTML PDF	Proposed Rule	U.S. Coast Guard Harmonization of Standards for Fire Protection, Detection, and Extinguishing Equipment [33 CFR Parts 140, 145, 148, and 149; 46 CFR Parts 25, 27, 28, etc.] Proposes to amend regulations for fire protection, detection, and extinguishing equipment on certain vessels and other categories. The proposed amendments are intended to: <ul style="list-style-type: none"> Harmonize Coast Guard regulations with appropriate national and international consensus standards. Address advances in fire protection technologies and standards. Update Coast Guard approval processes for fire detection and alarm systems. Revise Coast Guard regulations for other types of equipment or components. Comments due 04/14/2014. [RIN 1625-AB59]	MSFC should be aware of this action.
FED012414-4	Railroads	01/24/2014	79 FR 4233 HTML PDF	Final Rule	Federal Railroad Administration Track Safety Standards; Improving Rail Integrity [49 CFR Part 213] Finalizes amendments to the Federal Track Safety Standards, including, but not limited to, the following: <ul style="list-style-type: none"> Establishes minimum qualification requirements for rail flaw detection equipment operators. Revises requirements for rail inspection frequencies, rail flaw remedial actions, and rail inspection records. Removes requirements concerning joint bar fracture reporting. Effective 03/25/2014. [RIN 2130-AC28]	KSC should be aware of this action.

Tracking Number	Subject	Date Published	Citation	Type Action	Description	Suggested Actions
FED012414-5	Toxic Substances	01/23/2014	79 FR 4067 HTML PDF	Notice	<p>U.S. Environmental Protection Agency</p> <p>Seventy-Third Report of the TSCA Interagency Testing Committee (ITC) to the Administrator of the Environmental Protection Agency; Receipt of Report and Request for Comments</p> <p>Announces the availability of the 73rd ITC Report. The ITC revised the TSCA Priority Testing List by removing the following HPV Challenge Program orphan chemicals:</p> <ul style="list-style-type: none"> ▪ 2-Ethyl-1,3-hexanediol ▪ 1-Chlorooctane ▪ 1-Chlorooctadecane ▪ 2,4-Bis(1,1-dimethylpropyl)-6-[2-(2-nitrophenyl)diazenyl] phenol ▪ Barium, carbonate nonylphenol complexes <p>Comments due 02/24/2014.</p>	
FED012414-6	Waste Radioactive Waste	01/24/2014	79 FR 4102 HTML PDF	Notice Workshop	<p>Nuclear Regulatory Commission</p> <p>Low-Level Radioactive Waste Disposal Rulemaking and Strategic Assessment of Low-Level Radioactive Waste Regulatory Program [10 CFR Part 61]</p> <p>Announces a public workshop to discuss proposed revisions to 10 CFR Part 61, and to solicit information in support of efforts to update the 2007 Strategic Assessment of the NRC's LLRW regulatory program. Workshop is scheduled for 03/07/2014 in Phoenix, Arizona and is available as a webinar.</p> <p>The workshop agenda will be posted on the NRC's website.</p>	

1.2 Other News and Developments

1.2.1 Hazardous Waste e-Manifest System

EPA has [announced](#) the availability of a [pre-publication version](#) of the final rule that will authorize the use of electronic manifests (e-manifests) to track hazardous wastes under the Resource Conservation and Recovery Act ([RCRA](#)) Program (40 CFR Part 262). Under the previous manifesting system, generators, transporters, and handlers of hazardous waste were required to complete, sign, and maintain paper copies of the manifest for each hazardous waste shipment. The new e-manifest system provides the option to complete, sign, transmit, and store the hazardous waste manifests electronically within the nationwide system, as mandated under the [Hazardous Waste Electronic Manifest Establishment Act](#). Additional information regarding the final rule is available on EPA's [website](#).

1.2.2 European Union REACH Regulation Update

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 Chemical Agency ([ECHA](#)) has [added](#) 1,2-benzenedicarboxylic acid, dihexyl ester, branched and linear, to the [Registry of Intentions](#) for Substances of Very High Concern ([SVHCs](#)). ECHA expects the technical dossier for this substance to be submitted in February 2014. Dossier submittal is the first step of the process by which substances are considered for designation as SVHCs and addition to the [Candidate List for Authorization](#). Substances on the SVHC Candidate List are eligible to be considered for listing on the [Authorization List](#), REACH Annex XIV. Inclusion on the Authorization List would impose special authorization requirements for continued manufacture and use in the EU.

Additionally, N,N-dimethylformamide (DMF), typically used in chemicals production and certain types of adhesives and surface coatings, was [added](#) to the [Registry of Restriction Intentions](#). ECHA expects the technical dossier for DMF to be submitted in January 2015. After the dossier is received, ECHA likely will propose to add to the [List of Restrictions](#) a ban on placing on the market articles containing DMF above certain concentrations. 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.

ECHA also has launched a public [consultation](#) regarding its proposal to restrict cadmium and its compounds in certain paints. The deadline for public comments on the proposed restriction is 17 June 2014.

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.

1.2.3 Green Procurement Tool

The U.S. General Services Administration ([GSA](#)) released the updated Sustainable Facilities Tool ([SFTool](#)) and Green Procurement Compilation ([GPC](#)). The SFTool and GPC are resources for researching and purchasing products and services that comply with federal agencies' procurement requirements to minimize environmental impact. Updates to the GPC include updated product descriptions and a new "Transportation" service category.

1.2.4 NASA Center Renamed after Neil A. Armstrong

On 16 January 2014, the President [signed](#) Congressional Resolution [H.R. 667](#), [redesignating](#) NASA's Hugh L. Dryden Flight Research Center ([DFRC](#)) as the [Neil A. Armstrong](#) Flight Research Center. The Center's Western Aeronautical Test Range will now be known as the Dryden Aeronautical Test Range. Dryden and Armstrong were prominent figures in the United States' aeronautical and space programs. The timeline for the official redesignation of the two facilities is currently in development.

1.2.5 NASA Missions Update

On 21 January 2014, NASA [launched](#) its Airborne Tropical Tropopause Experiment ([ATTREX](#)) to examine Earth's upper atmosphere and its relation to the climate. ATTREX aims to collect data about tropopause moisture content and chemical composition and analyze it to study the impacts of those properties on Earth's climate.

NASA also has [announced](#) plans to conduct the following five space-based [Earth science](#) missions in 2014:

- International Space Station-RapidScat ([ISS-RapidScat](#)): The ISS-RapidScat instrument will be placed on the ISS to collect ocean wind data to assist in climate research, weather and marine forecasting, and storm tracking.
- 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.
- Global Precipitation Measurement ([GPM](#)): As part of the GPM mission, NASA is collaborating with the Japanese Aerospace Exploration Agency (JAXA) to launch the GPM Core Observatory satellite to observe and analyze global snow and rain patterns on Earth. The data are expected to enhance scientists' understanding of the water cycle and improve water resource management and weather forecasting.
- Orbiting Carbon Observatory ([OCO](#))-2: OCO-2 is a remote sensing satellite designed to collect highly precise global measurements of atmospheric carbon dioxide (CO₂).
- Soil Moisture Active Passive ([SMAP](#)): The SMAP mission focuses on the collection of global measurements of soil moisture and detection of the soil's freeze-thaw state. Data from this mission will be used to aid in water resource management, agricultural management, weather and climate forecasting, and monitoring of floods and droughts.

Further information regarding NASA's current Earth science activities is available on the Earth Right Now [website](#).

1.2.6 Flame-resistant Carbon Nanotube-based Coating

On 14 January 2014, the National Institute of Standards and Technology ([NIST](#)) [announced](#) the development of a new flame-resistant carbon nanotube-based coating. The new material consists of four layers of nanotubes, each of which is sandwiched between two layers of common polymers. The flame retardant is designed for coating polyurethane foam and similar materials. Reportedly, it can reduce the flammability of polyurethane foam by approximately 35 percent compared to untreated foam, and also can prevent the foam from melting and pooling.

1.2.7 Utility Energy Services Contract Training

The U.S. Department of Energy's (DOE's) Federal Energy Management Program ([FEMP](#)) offers two [online training courses focusing](#) on Utility Energy Services Contracts ([UESCs](#)). A UESC is an agreement between a federal agency and a utility that establishes mutually beneficial energy management and conservation services. The UESC introductory course ([FEMP03](#)) describes the

basics of UESC development. The advanced course ([FEMP11](#)) provides guidance about specific components of applying for, executing, and closing out UESCs.

1.2.8 Green and Sustainable Remediation Web-based Training

The Interstate Technology & Regulatory Council ([ITRC](#)) has scheduled a web-based [training](#) on 20 February 2014 for basic principles and resources for green and sustainable remediation (GSR). GSR is the implementation of cleanup activities with intentions of achieving remedial objectives while using techniques and products that minimize the environmental impacts of a project. The training is based on ITRC's [guidance documents](#), "Green and Sustainable Remediation: a Practical Framework" and "Green and Sustainable Remediation: State of the Science and Practice." [Registration](#) is required for attendance.

1.2.9 International Conference on Environmental Science and Technology

From 09 through 13 June 2014, the American Academy of Sciences ([AASci](#)) will host the seventh International Conference on Environmental Science and Technology ([ICEST](#)) in Houston, Texas. The ICEST is a multidisciplinary convention to discuss innovative techniques and to display recent technology in a variety of environmental-related disciplines. [Registration](#) is required for attendance.

1.2.10 Ecological Risk Assessment Webinars

The Northwest Environmental Training Center ([NWETC](#)) is offering a webinar series regarding ecological risk assessment (ERA). The introductory course will focus on the general ERA process discussed in EPA's "Ecological Risk Assessment Guidance for Superfund" ([ERAGS](#)). The advanced course will discuss specific techniques and data collection methods used to complete ERAs and will include example case studies. The courses and dates are as follows:

Course	Training Date
	04 March 2014
Ecological Risk Assessment - An Introduction	05 March 2014
	06 March 2014
	11 March 2014
Ecological Risk Assessment - Advanced	12 March 2014
	13 March 2014

Interested parties need only to attend one of the three available days for each course. Registration is required for attendance.

1.2.11 Interstate Technology & Regulatory Council Spring Meeting

From 24 through 28 March 2014, the ITRC will host its 2014 [Spring Meeting](#) in Garden Grove, California. The ITRC Spring Meeting provides networking and technology sharing opportunities for environmental professionals and members of the academic community. Meeting topics include the following:

- Dense Non-Aqueous Phase Liquids (DNAPLs) Site Characterization
- Geostatistics for Remediation Optimization
- Geophysical Classification for Munitions Response
- Long-term Contaminant Management Using Institutional Controls
- Remediation Management of Complex Sites
- Risk Assessment

[Registration](#) is required by 05 March 2014.

1.3 NASA Regulatory Communication Working Group Updates

The next Regulatory Communication Working Group call will be held on Wednesday, 19 February 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

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
AL012414-1	Species Slabside Pearlymussel	01/14/2014	79 FR 2380 HTML PDF	Final Rule Correction	U.S. Fish and Wildlife Services Endangered and Threatened Wildlife and Plants; Correction to Rules Adding Species to the List of Endangered Wildlife [50 CFR Part 17] Corrects final rule (78 FR 59556 , 09/26/2013) by eliminating a redundant listing of the Slabside Pearlymussel as an endangered species. The species was already listed by a separate final rule (78 FR 59269 , 09/26/2013). Effective 01/14/2014. RIN 1018-AZ48]	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
CA012414-1	Air CEQA	12/31/2013	OPR Website	Notice	Office of Planning and Research 2014 CEQA Guidelines Update Announces the availability of following documents related to the 2014 CEQA Guidelines Update: <ul style="list-style-type: none"> ▪ Possible Topics to be Addressed in the 2014 CEQA Guidelines Update, which contains a list of topics that appear consistent with CEQA and case law ▪ Preliminary Evaluation of Alternative Methods of Transportation Analysis, which presents a new approach to measuring transportation-related impacts Comments due 02/14/2014.	NASA Centers should be aware of this action.
CA012414-2	Air Climate Change	01/15/2014	CNRA Website	Notice	California Natural Resources Agency Draft Update to the Climate Adaption Strategy Announces the availability of the draft " Safeguarding California Plan ," which is the first update to the " 2009 California Climate Adaption Strategy ." On the basis of advances in climate science and risk management options, the draft plan highlights climate risks, progress to date, and sector-specific recommendations. Comments due 02/28/2014.	NASA Centers should be aware of this action.

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description	Suggested Actions
CA012414-3	Natural Resources	01/13/2014	79 FR 2194 HTML PDF	Notice	<p>U.S. Fish and Wildlife Service</p> <p>Hopper Mountain, Bitter Creek, and Blue Ridge National Wildlife Refuges, Ventura, Kern, San Luis Obispo, and Tulare Counties, California</p> <p>Announces the availability of the "Hopper Mountain, Bitter Creek, and Blue Ridge National Wildlife Refuges - Final Comprehensive Conservation Plan and Environmental Assessment," which describes how the USFWS will manage the three refuges over the next 15 years.</p> <p>Additional information is available on the USFWS website.</p>	DFRC and SSFL should be aware of this action.
CA012414-4	Occupational Safety Airborne Contaminants	01/24/2014	CRNR 2014, 04z, p. 141	Final Rule	<p>Occupational Safety and Health Standards Board</p> <p>Airborne Contaminants, N-Methylpyrrolidone [8 CCR 5155]</p> <p>Adds N-methylpyrrolidone to the list of airborne contaminants with a PEL of 1 ppm in air as an 8-hour TWA. Effective 04/01/2014.</p> <p>Additional information is available on the OSHSB website.</p>	
CA012414-5	Occupational Safety Cranes and Derricks	01/24/2014	CRNR 2014, 04z, p. 142	Final Rule	<p>Occupational Safety and Health Standards Board</p> <p>Cranes & Derricks in Construction–Underground and Demolition [8 CCR 8495-8497 and 8500]</p> <p>Conforms state standards to the federal rules for cranes and derricks used in demolition and underground construction. Effective 04/01/2014.</p> <p>Additional information is available on the OSHSB website.</p>	
CA012414-6	Occupational Safety GHS	01/23/2014	OSHSB Website	Proposed Rule Change	<p>Occupational Safety and Health Standards Board</p> <p>Notice of Proposed Modifications to GHS Rules [8 CCR 1529, 1532, 1532.1, 1532.2, 1535, 5150, 5157, 5161, 5189-5192, 5194, 5198, 5200-5202, 5206-5215, and 5217-5220]</p> <p>Revises previously proposed amendments with the intention of conforming state standards with federal HAZCOM rules (77 FR 17573, 03/26/2012), particularly as relates to standards for warning labels; signs, and safety data sheets for welding, brazing, and cutting operations. Comments due 02/10/2014.</p> <p>The original proposal (CRNR 2013, 35z, p. 1293, 08/30/2013) has been modified as a result of comments received.</p>	
CA012414-7	Occupational Safety Powered Industrial Trucks	01/21/2014	OSHSB Website	Proposed Rule Change	<p>Occupational Safety and Health Standards Board</p> <p>Second Notice of Proposed Modifications to Powered Industrial Truck Rules [8 CCR 3650]</p> <p>Changes proposed rule to clarify that only stable or safely arranged loads should be handled. Comments due 02/07/2014.</p> <p>The original proposal (CRNR 2013, 26z, p. 953, 06/28/2013) has been modified as a result of comments received.</p>	
CA012414-8	Occupational Safety Machine Shops	01/17/2014	CRNR 2014, 03z, p. 78	Final Rule	<p>Occupational Safety and Health Standards Board</p> <p>Definitions of Woodworking Machines and Equipment [8 CCR 4297]</p> <p>Updates the definition of band knife and band saw to include those that are designed with more than two wheels. Effective 04/01/2014.</p> <p>Additional information is available on the OSHSB website.</p>	

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description	Suggested Actions
CA012414-9	Toxic Substances Proposition 65–Benzene	01/22/2014	OEHHA Website	Proposed Rule Change	Office of Environmental Health Hazard Assessment Revised Proposed Reference Exposure Levels for Benzene Changes the following proposed RELs for benzene, as described in the revised draft Benzene Reference Exposure Levels for the derivation of noncancer RELs: <ul style="list-style-type: none"> ▪ 1-hour acute REL: 27 µg/m³ ▪ 8-hour REL: 3 µg/m³ ▪ Chronic REL: 3 µg/m³ The proposed RELs will be discussed at a public meeting scheduled for 02/13/2014 to be held via teleconference among numerous locations statewide. The original proposal (CRNR 2013, 25z, p. 945, 06/21/2013) has been modified as a result of comments received.	NASA Centers should be aware of this action.

2.2.1 2013 Integrated Energy Policy Report

The California Energy Commission ([CEC](#)) has [released](#) the 2013 “Integrated Energy Policy Report” ([IEPR](#)). The IEPR is an assessment of California's current and future energy-related issues, including, but not limited to, meeting current electricity demand and achieving California's future greenhouse gas emission reduction goals. Key topics discussed in the 2013 IEPR include the following:

- California's demand-response infrastructure and operations
- Impact of climate change on meeting electricity demand, especially during weather extremes
- Achievable energy efficiency scenarios
- Vehicle fuel economy and zero-emission vehicles

2.2.2 Drought State of Emergency

On 17 January 2014, a State of Emergency was [declared](#) in California due to the lack of precipitation in 2013 and projections of little precipitation in 2014. The California State Water Resources Control Board ([SWRCB](#)) recently launched a [website](#) intended to communicate information about the drought and SWRCB's actions, including the following:

- [Statewide Notice of Potential Future Curtailment of Water Rights](#)
- [Conservation Tips and Actions](#)
- [Water Transfer Program](#)
- [Temporary Urgency Changes to Water Right Permit and License Conditions](#)

Additional information is available on the Department of Water Resources Drought Information [website](#).

2.2.3 Department of Toxic Substances Control 2014-2018 Strategic Plan

The Department of Toxic Substances Control ([DTSC](#)) has released its “[2014-2018 Strategic Plan](#),” which contains an overview of the DTSC, as well as specific objectives related to the following topics:

- Cleanup
- Hazardous Waste Management
- Safer Consumer Products
- Support Services
- Public Engagement

2.2.4 California Air Districts Regulatory Review

2.2.4.1 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](#).

2.2.4.2 Bay Area Air Quality Management District

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

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description	Suggested Actions
CAB012414-1	Air Commuter Benefits	01/21/2014	BAAQMD Website	Proposed Rule	Bay Area Air Quality Management District Bay Area Commuter Benefits Program [Regulation 14, Rule 1] Proposes new Rule 1 , which would establish requirements for employers with 50 or more full-time staff to offer a commuter benefits option. This action is intended to reduce air pollution from personal vehicles used for daily commutes. Public hearing is scheduled for 03/19/2014 in San Francisco, California. Comments due 02/21/2014.	

2.2.4.3 Eastern Kern Air Pollution Control District

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

2.2.4.4 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](#).

2.2.4.5 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
CAS012414-1	Air Coatings	01/14/2014	SCAQMD Website	Notice Meeting	South Coast Air Quality Management District Graphic Arts [Rule 1130] Announces a meeting to discuss proposed amendments to Rule 1130, which would incorporate federal CTG provisions for printing operations, including the following: <ul style="list-style-type: none"> ▪ Adds fountain solution VOC requirements. ▪ Makes revisions to control devices and efficiencies. ▪ Prohibits storage of noncompliant materials at the worksite. ▪ Exempts graphic arts materials with VOC content of 10 g/L. Workshop and CEQA Scoping meeting are scheduled for 02/06/2014 in Diamond Bar, California. Comments due 02/21/2014.	NASA Centers should be aware of this action.

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description	Suggested Actions
CAS012414-2	Air RECLAIM	01/23/2014	SCAQMD Website	Notice	South Coast Air Quality Management District RECLAIM [Regulation XX] Announces availability of the NO _x RECLAIM working group briefing , which focuses on an SCR cost analysis of non-refinery spark-ignited lean-burn BARCT.	JPL should be aware of this action.

2.2.4.6 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
CAV012414-1	Air	01/14/2014	VCAPCD Website	Notice	Ventura County Air Pollution Control District 2014 Rule Development Calendar Announces the release of the 2014 Rule Development Calendar informing the public and industry of those rules the district proposes to amend in 2014.	SSFL should be aware of this action.
CAV012414-2	Air	01/14/2014	VCAPCD Website	Final Rule	Ventura County Air Pollution Control District Sulfur Compounds [Rule 54] and Permit Fees [Rule 42] Finalizes adoption of Rule 54 , which will implement the following requirements: <ul style="list-style-type: none"> ▪ Ground concentration limit of 75 ppb SO₂ ▪ Compliance demonstration options based on design of equipment units ▪ SO₂ emission limit calculations on a dry basis and corrected for oxygen content Also clarifies planned flaring excess emission fee calculations for Rule 54 and Rule 42 . Effective 01/14/2014.	

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
FL012414-1	Water Recycling	01/17/2014	FAR Notice #14080440	Proposed Rule Change	Department of Environmental Protection Water Reuse and Recycling [Chapter 62-40.416, F.A.C.] Announces the following changes to proposed rule (FAR Notice #13793029 , 11/08/2013): <ul style="list-style-type: none"> ▪ Clarifies the benefits of reclaimed water systems. ▪ Amends CUP issuance criteria for supplementation of reclaimed water systems. 	
FL012414-2	Water Water Quality	01/17/2014	FAR Notice #14055414	Notice Meeting	Department of Environmental Protection Florida Water Resources Monitoring Council Announces a meeting of the Salinity Network Workgroup to discuss the development of indexes for groundwater levels and groundwater quality. Meeting is scheduled for 02/05/2014 as a webinar .	

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
LA012414-1	Natural Resources Coastal Mitigation	01/20/2013	40:01 LR 148	Proposed Rule	Louisiana Department of Natural Resources Office of Coastal Management Mitigation [LAC 43:1.724.A-E.1.b] Proposes to remove extraneous information from the rules and procedures for coastal use permits and mitigation. Comments due 02/10/2014.	
LA012414-2	Natural Resources Coastal Mitigation	01/20/2013	40:01 LR 88	Final Rule	Louisiana Department of Natural Resources Office of Coastal Management Mitigation [LAC 43:1.724.J] Finalizes changes intended to simplify mitigation rules for selecting compensatory mitigation in an effort to align coastal mitigation program regulatory practices with the " State's Integrated Ecosystem Restoration and Hurricane Protection: Louisiana's Comprehensive Master Plan for a Sustainable Coast ." Effective 01/20/2014. Additional information is available at the state Coastal Protection and Restoration website.	

2.5 Maryland State Regulatory Review

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

2.6 Mississippi State Regulatory Review

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](#).

2.7.1 Improving Environmental Permitting Performance Report

On 23 January 2014, the New Mexico Environmental Department's Air Quality Bureau (AQB) [announced](#) the availability of the [2014 "Improving Permitting" status report](#). The report consists of a spreadsheet that outlines progress made in AQB's implementation of the corrective actions identified during its 2012 construction permit process review and documented in the report, "[Improving Environmental Permitting](#)."

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
OH012414-1	Air Open Burning	01/21/2014	DAPC-What's New	Notice	Division of Air Pollution Control, Ohio Environmental Protection Agency Open Burning [OAC 3745-19] Solicits comments on potential rule changes regarding open burning. Comments due 02/21/2014.	GRC and PBS should be aware of this action.

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description	Suggested Actions
OH012414-2	Emergency Response Hazardous Chemical Inventory	01/16/2014	DAPC-What's New	Proposed Rule	Division of Air Pollution Control, Ohio Environmental Protection Agency Facility Emergency and Hazardous Chemical Inventory Form [OAC 3750-30-20] Proposes draft rule language that would incorporate changes intended to align state rules with federal rules. Further details are provided in the rule Synopsis . Comments due 02/17/2014.	
OH012414-3	Water Permitting	01/17/2014	DSW-What's New	Notice	Division of Surface Water, Ohio Environmental Protection Agency Permits to Install and Plan Approvals for Water Pollution Control [OAC 3745-42-02] Solicits comments, as part of OEPA's 5-year review cycle, on recommended changes, including the following: <ul style="list-style-type: none"> ▪ Editorial revisions ▪ Language clarifications ▪ Additional exemptions ▪ Clarifications on permitting requirements Comments due 02/17/2014.	

2.9 Texas State Regulatory Review

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

2.10 Utah State Regulatory Review

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

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
VA012414-1	Administrative	01/27/2014	30:11 VA.R. 1427-1440	Final Rule	Virginia Soil and Water Conservation Board, Virginia Department of Conservation and Natural Resources Nutrient Management Training and Certification Regulations [4VAC50-85] Finalizes the following amendments: <ul style="list-style-type: none"> ▪ Transfers authority of the Nutrient Management Training and Certification Regulations to the Virginia Soil and Water Conservation Board ▪ Renumbers the regulations ▪ Updates cross-references Effective 02/26/2014.	
VA012414-2	Air Air Quality	01/27/2014	30:11 VA.R. 1611	Notice	State Air Pollution Control Board, Virginia Department of Environmental Quality Air Quality Monitoring Data—Opportunity to Review and Comment Solicits comments on a proposed exceptional events demonstration indicating that fine particulate matter data collected in 08/2011 in Hampton Roads were affected by the Great Dismal Swamp wildfire. Comments due 02/14/2014.	

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description	Suggested Actions
VA012414-3	Air GHG	01/27/2014	30:11 VA.R. 1440-1450	Final Rule	State Air Pollution Control Board, Virginia Department of Environmental Quality Permits for Stationary Sources Subject to Regulation [9VAC5-85] Direct final rule establishes GHG PALs on a mass or CO ₂ e basis, and allows a GHG-only source to submit an application for a CO ₂ e-based GHG PAL. Effective 03/13/2014. Comments due 02/26/2014.	WFF and LaRC should be aware of this action.
VA012414-4	Air NSR	01/21/2014	VDEQ Website	Proposed Rule	State Air Pollution Control Board, Virginia Department of Environmental Quality Permits for Stationary Sources [9VAC5-80] Proposes to revise the definition of "nonroad engine" to include portable and temporary engines, thereby increasing the number of engines exempt from minor NSR permitting requirements. Comments due 03/12/2014.	WFF and LaRC should be aware of this action.
VA012414-5	Air SIP-VOCs	01/27/2014	30:11 VA.R. 1611-1612	Proposed Rule	State Air Pollution Control Board, Virginia Department of Environmental Quality General Definitions [9VAC5-10] Proposes to add trans-1,3,3,3-tetrafluoropropene to the list of substances not considered to be a VOC; would conform state regulations to a recent federal rule revision (77 FR 37610 , 06/22/2012). Comments due 02/26/2014. Also known as HFO-1234ze, trans-1,3,3,3-tetrafluoropropene is used as a blowing agent and aerosol propellant, and in refrigeration and similar applications.	
VA012414-6	Landscaping	01/27/2014	30:11 VA.R. 1416-1427	Final Rule	Virginia Soil and Water Conservation Board, Virginia Department of Conservation and Natural Resources Nutrient Management Training and Certification Regulations [4VAC5-15] Direct final rule incorporates by reference the July 2014 update of Virginia's Nutrient Management Standards and Criteria ; including recommended application rates for nitrogen-containing fertilizer for new and existing lawns. Effective 03/13/2014. Comments due 02/26/2014. Further information on the Nutrient Management Program is available on the Department's website.	
VA012414-7	Water Stormwater	01/27/2014	30:11 VA.R. 1571-1576	Final Rule	State Water Control Board, Virginia Department of Environmental Quality Virginia Stormwater Management Program [9VAC25-870] Finalizes the following amendments: <ul style="list-style-type: none"> ▪ Clarifies existing requirements regarding time limits on the applicability of approved design criteria and grandfathering. ▪ Adds provisions for the application of the stormwater management technical criteria in a stormwater management plan for a land-disturbing activity. ▪ Adds provisions to allow a VSMP authority to collect applicant fees and transmit VDEQ's portion of the fee to VDEQ. ▪ Clarifies fee language. Effective 02/26/2014.	

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description	Suggested Actions
VA012414-8	Water VPDES	01/27/2014	30:11 VA.R. 1451-1467	Final Rule	State Water Control Board, Virginia Department of Environmental Quality Virginia Pollutant Discharge Elimination System [9VAC25-31] Finalizes incorporation of recent changes to the following federal and state regulations: <ul style="list-style-type: none"> ▪ 40 CFR 122.26 ▪ 40 CFR 449 ▪ § 54.1-2301 ▪ § 62.1-44.5 Also updates the regulation to allow the use the most recent federal effluent guidelines. Effective 02/26/2014.	WFF and LaRC should be aware of this action.
VA012414-9	Water VPDES	01/27/2014	30:11 VA.R. 1467-1551	Final Rule	State Water Control Board, Virginia Department of Environmental Quality General VPDES Permit for Discharges of Stormwater Associated with Industrial Activity [9VAC25-151] Reissues the existing permit that expires 06/30/2014, which establishes permit conditions and monitoring requirements for point source discharges of stormwater associated with industrial activity to surface waters. Effective 07/01/2014.	
VA012414-10	Water Wastewater	01/27/2014	30:11 VA.R. 1576-1584	Final Rule	State Board of Health, Virginia Department of Health Sewage Handling and Disposal Regulations [12VAC5-610] Direct final rule establishes construction, design, and installation requirements for certain materials and drip dispersal systems. Effective 03/14/2014. Comments due 02/26/2014.	WFF should be aware of this action.
VA012414-11	Water Water Quality	01/24/2014	VDEQ Website	Notice Meeting	Virginia Department of Environmental Quality Total Maximum Daily Loads–Chesapeake Bay Announces a meeting to present preliminary milestones for the restoration of the Chesapeake Bay, as well as development of a statewide NPS Management Plan. Meeting is scheduled for 02/25/2014 and available as a webcast at each VDEQ regional office, including Virginia Beach, Virginia.	
VA012414-12	Water Water Quality	01/27/2014	30:11 VA.R. 1614	Notice	Virginia Department of Environmental Quality 305(b)/303(d) Water Quality Assessment Integrated Report Announces availability of the " Final 2012 305(b)/303(d) Water Quality Assessment Integrated Report ," which was approved by EPA on 12/12/2013.	
VA012414-13	Water Water Quality	01/27/2014	Virginia Town Hall Website	Notice	Virginia Department of Environmental Quality Water Quality Assessment Guidance Manual– Opportunity to Review and Comment Solicits comments on the " Draft 2014 Water Quality Assessment Guidance Manual ." Comments due 02/26/2014. Additional information is available at the VDEQ website.	