



National Aeronautics and
Space Administration

Principal Center for Regulatory Risk Analysis and Communication

Regulatory Tracking Summary

15 May 2015

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 "80 FR 51967," are linked to the appropriate document for quick access. Suggested follow-up actions are noted with significant items; users are advised that other follow-up actions may be appropriate for their program or facility.

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

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

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Acronyms and Abbreviations

AEDT 2b = Aviation Environmental Design Tool version 2b	ODS = Ozone depleting substance
APTI = Air Pollution Training Institute	OEHHA = Office of Environmental Health Hazard Assessment
ARB = California Air Resources Board	OEPA = Ohio Environmental Protection Agency
BPA = Bisphenol A	OSHA = Occupational Safety and Health Administration
CBP3 = Community Based Public-Private Partnerships	OSHSB = Occupational Safety and Health Standards Board
CCR = <i>California Code of Regulations</i>	PHMSA = Pipeline and Hazardous Materials Safety Administration
CFC = Chlorofluorocarbon	PSD = Prevention of Significant Deterioration
CFR = <i>Code of Federal Regulations</i>	RACT = Reasonably available control technology
CO = Carbon monoxide	REA = Risk and Exposure Assessment
COMAR = Code of Maryland	REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
CRNR = <i>California Regulatory Notice Register</i>	RIN = Regulatory Identification Number
DAPC = Division of Air Pollution Control	RoC = Report on Carcinogens
DC-MD-VA = Washington DC-Maryland-Virginia	RRAC PC = Principal Center for Regulatory Risk Analysis and Communication
DMWM = Division of Materials and Waste Management	RRP = Renovation, Repair and Painting
DOT = U.S. Department of Transportation	SAB = Science Advisory Board
DTSC = Department of Toxic Substances Control	SCAQMD = South Coast Air Quality Management District
ECHA = European Chemicals Agency	SCP = Safer Consumer Products
EO = Executive Order	SEIS = Supplemental Environmental Impact Statement
EPA = U.S. Environmental Protection Agency	SIP = State Implementation Plan
EU = European Union	SLCP = Short lived climate pollutant
FAA = Federal Aviation Administration	SNUR = Significant New Use Rule
FAR = Federal Acquisition Regulation	SORE = Small Off-Road Engines
FR = <i>Federal Register</i>	SRA = State Responsibility Area
GHG = Greenhouse gas	SSFL = Santa Susana Field Laboratory
GHS = Globally Harmonized System	SSM = Startup, shutdown, and malfunction
GRR = General Reevaluation Report	SVHC = Substances of Very High Concern
GSA = General Services Agency	SWRCB = State Water Resources Control Board
GSR = Green and Sustainable Remediation	TPY = Tons per year
GWP = Global Warming Potential	TSCA = Toxic Substances Control Act
HCFC = Hydrochlorofluorocarbon	UDAQ = Utah Division of Air Quality
HFC = Hydrofluorocarbon	UNSCEGHS = United Nations Sub-Committee of Experts on the Globally Harmonized System of Classification and Labelling of Chemicals
HHFT = High hazard flammable train	UNSCOE TDG = United Nations Sub-Committee of Experts on the Transport of Dangerous Goods
IRIS = Integrated Risk Information System	U.S. = United States
MDA = 4,4'-Diaminodiphenylmethane	USGCRP = U.S. Global Change Research Program
MDE = Maryland Department of the Environment	VDEQ = Virginia Department of Environmental Quality
MDAQMD = Mojave Desert Air Quality Management District	VCAPCD = Ventura County Air Pollution Control District
MMBtu/hr = Million British thermal units per hour	VOC = Volatile organic compound
MSFC = Marshall Space Flight Center	WAP = Waste analysis plans
NAAQS = National Ambient Air Quality Standards	
NASA = National Aeronautics and Space Administration	
NO ₂ = Nitrogen dioxide	
NO _x = Nitrogen oxides	
NPDES = National Pollutant Discharge Elimination System	
NTP = National Toxicology Program	
OAC = Ohio Administrative Code	

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
FED051515 -1 NASA Centers should be aware of this action.	Air Emissions	05/11/2015	80 FR 26925 HTML PDF	Notice	U.S. Environmental Protection Agency New and Revised Emissions Factors for Flares and Other Refinery Process Units and Determination for No Changes to VOC Emissions Factors for Tanks and Wastewater Treatment Systems Announces new and revised VOC, CO, and NO _x emission factors for flares. Also announces determination of no change to existing emissions factors for tanks and wastewater treatment systems. Industrial flares may be used in support of rocket engine testing. Additional information, including updated emission factor information for flares, is available on EPA's website.
FED051515 -2 NASA Centers should be aware of this action.	Air GWP	05/11/2015	80 FR 26883 HTML PDF	Proposed Rule	General Service Administration Federal Acquisition Regulation; High Global Warming Potential Hydrofluorocarbons [48 CFR Parts 1, 2, 7, 11, 23, 25, and 52] Proposes amendments to the FAR to direct federal agencies to procure, when feasible, alternatives to high GWP HFCs. Comments due 07/10/2015. [RIN 9000-AM87] Regulation is being proposed in an effort to help agencies meet GHG emission reduction goals and reporting requirements of EO 13693.
FED051515 -3	Air NAAQS-NO ₂	05/13/2015	80 FR 27304 HTML PDF	Notice	U.S. Environmental Protection Agency Release of Risk and Exposure Assessment Planning Document for the Review of the Primary National Ambient Air Quality Standards for Nitrogen Dioxide Announces availability of an REA Planning Document for the review of the NAAQS for NO ₂ . Comments due 07/03/2015.
FED051515 -4	Air PSD	05/07/2015	80 FR 26183 HTML PDF	Final Rule	U.S. Environmental Protection Agency Prevention of Significant Deterioration Permitting for Greenhouse Gases: Providing Option for Rescission of EPA-Issued Tailoring Rule Step 2 Prevention of Significant Deterioration Permits [40 CFR Part 52] Direct final rule amends PSD regulations to allow for rescission of certain PSD permits issued by EPA and delegated reviewing authorities under Step 2 of the PSD and Title V GHG Tailoring Rule. Effective 07/06/2015. Comments due 06/08/2015. Step 2 PSD permits are no longer required as a result of the U.S. Supreme Court's decision to vacate the implementing regulations.
FED051515 -5	Aviation	05/15/2015	80 FR 27853 HTML PDF	Notice	Federal Aviation Administration Noise, Fuel Burn, and Emissions Modeling Using the Aviation Environmental Design Tool Version 2b [14 CFR Chapter I] Announces availability of the AEDT 2b software tool to analyze specific environmental impacts from aircraft including noise, fuel burn, and emissions. Effective 05/29/2015. Federal agencies may receive AEDT 2b at no cost. Additional information is available on FAA's website.
FED051515-6	Climate Change	05/06/2015	80 FR 26105 HTML PDF	Notice	Office of Science and Technology Policy Request for Information: Public Input on the Sustained Assessment Process of the U.S. National Climate Assessment Solicits comments on the USGCRP's National Climate Assessment review process and related efforts in climate change research. Comments due 06/15/2015. Additional information is available on USGCRP's website.

Tracking Number	Subject	Date Published	Citation	Type Action	Description
FED051515-7	Hazardous Materials Transportation	05/08/2015	80 FR 26617 HTML PDF	Notice Meeting	Pipeline and Hazardous Materials Safety Administration International Standards on the Transport of Dangerous Goods Announces the following: <ul style="list-style-type: none"> PHMSA meeting to discuss positions related to harmonizing regulations on hazardous materials transport prior to an upcoming session of the UNSCOE TDG. Meeting is scheduled for 06/10/2015 in Washington, D.C. Also solicits comments on the classification of corrosive materials. OSHA meeting to discuss GHS-related issues to be considered in an upcoming session of the UNSCEGHS. Meeting is scheduled for 06/10/2015 in Washington, D.C.
FED051515-8	Nanoscale Materials	05/08/2015	80 FR 26518 HTML PDF	Notice Meeting	U.S. Environmental Protection Agency Chemical Substances When Manufactured or Processed as Nanoscale Materials; TSCA Reporting and Recordkeeping Requirements; Notice of Public Meeting [40 CFR Part 704] Announces a meeting to discuss the proposed rule (80 FR 18330 , 04/06/2015) on one-time reporting and record-keeping requirements for certain nanoscale chemical substances. Meeting is scheduled for 06/11/2015 in Washington, D.C.
FED051515-9	Occupational Safety Confined Spaces	05/04/2015	80 FR 25365 HTML PDF	Final Rule	Occupational Safety and Health Administration Confined Spaces in Construction [29 CFR Part 1926] Finalizes regulations intended to provide protection to employees working in confined spaces in construction. Effective 08/03/2015. [RIN 1218-AB47]
FED051515-10	Toxic Substances	05/12/2015	80 FR 27166 HTML PDF	Notice Meeting	U.S. Environmental Protection Agency Notification of a Public Teleconference of the Chartered Science Advisory Board Announces a public teleconference to discuss draft SAB reports on EPA's IRIS assessments for the following substances: <ul style="list-style-type: none"> Ammonia Trimethylbenzenes Ethylene oxide Teleconference is scheduled for 06/08/2015.
FED051515-11	Toxic Substances	05/12/2015	80 FR 27178 HTML PDF	Notice Meeting	National Institutes of Health Draft Report on Carcinogens Monograph on Cobalt and Certain Cobalt Compounds; Availability of Document; Request for Comments; Notice of Meeting Announces a meeting and solicits comments on a draft RoC monograph for cobalt and cobalt compounds. Meeting is scheduled for 07/22/2015 in Research Triangle Park, North Carolina, and will be available via webcast. Comments due 07/08/2015. Draft report will be made available on NTP's website.
FED051515-12	Toxic Substances Lead	05/14/2015	80 FR 27621 HTML PDF	Notice Meeting	U.S. Environmental Protection Agency Lead; Renovation, Repair and Painting Program; Lead Test Kit Stakeholder Meeting; Notice of Public Meeting [40 CFR Part 745] Announces a meeting to discuss lead test kits referenced in the 2008 RRP rule. Meeting is scheduled for 06/04/2015 in Washington, D.C. Under the RRP rule, certain lead test kits may be used as a method to determine if regulated lead-based paint is present in child-occupied facilities, such as childcare centers.
FED051515-13	Toxic Substances SNURs	05/08/2015	80 FR 26448 HTML PDF	Final Rule	U.S. Environmental Protection Agency Significant New Use Rules on Certain Chemical Substances [40 CFR Parts 9 and 721] Direct final rule establishes SNURs for multiple chemical compounds. Persons must notify EPA at least 90 days before manufacturing, importing, or processing any of these substances for use in activities designated in the rule as "significant new uses." Effective 07/07/2015. [RIN 2070-AB27]
FED051515-14	Water NPDES- Construction	05/04/2015	80 FR 25235 HTML PDF	Final Rule Correction	U.S. Environmental Protection Agency Effluent Limitations Guidelines and Standards for the Construction and Development Point Source Category; Correcting Amendment [40 CFR Part 450] Finalizes corrections to final rule (79 FR 12661 , 03/06/2014) for effluent limitations reflecting the best available technology economically achievable in 40 CFR Parts 450.22 (a) and (b). Effective 05/04/2015.

1.2 Other News and Developments

1.2.1 NASA HCFC-225 Replacement Report

NASA has [announced](#) availability of the [final report](#) on the replacement of hydrochlorofluorocarbon (HCFC)-225 solvent for cleaning and verification of propulsion oxygen systems and other equipment. Historically, a Class I ozone depleting substance (ODS), chlorofluorocarbon (CFC)-113, was used as a cleaning solvent for oxygen systems. HCFC-225, a Class II ODS, replaced CFC-113 when Class I ODSs were banned in the 1990s. The goal of NASA's recent study was to identify a single replacement solvent that could meet or exceed the performance requirements for solvents used in the rocket propulsion test facilities at NASA's Marshall Space Flight Center and Stennis Space Center. The report identified trans-1-chloro-3,3,3-trifluoropropene as a viable replacement for HCFC-225 in these applications.

1.2.2 European Chemicals Agency Updates

As part of its implementation of the European Union's (EU's) regulation on the Registration, Evaluation, Authorisation and Restriction of Chemicals ([REACH](#)), the European Chemicals Agency ([ECHA](#)) has [added](#) perfluorononan-1-oic acid and its sodium and ammonium salts to the [Registry of Intentions](#) for Substances of Very High Concern ([SVHCs](#)). ECHA expects the technical dossiers for this substance to be submitted in August 2015. 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 Authorisation](#). Substances on the SVHC Candidate List are eligible to be considered for listing on the [Authorisation List](#), REACH Annex XIV. Inclusion on the Authorisation List would impose special authorization requirements for continued manufacture and use in the EU.

In addition, ECHA has initiated a [call for comments and evidence](#) on two substances. Calls for comments and evidence allow interested parties to provide input during various phases of the [Restriction](#) process. Substances on the [List of Restrictions](#), REACH Annex XVII, have the potential to be limited or banned from manufacture, use, or placement on the market in the EU, usually related to specific applications. The substances are listed in the following table:

Substance Name	CAS	Subject of the Call	Input Deadline
1-tert-butyl-3,5-dimethyl-2,4,6-trinitrobenzene; musk xylene	81-15-2	Call for evidence on ECHA's report proposing not to initiate a restriction under Article 69(2)	07/15/2015
Bis (4-aminophenyl)methane; 4,4'-Diaminodiphenylmethane; (MDA)	101-77-9		

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

1.2.3 Energy Efficiency Improvement Act of 2015

A new U.S. statute, the "[Energy Efficiency Improvement Act of 2015](#)," is intended to promote energy and water efficiency in buildings. The act requires the General Services Agency (GSA) to develop model commercial leasing provisions and best practices and to use the model leasing provisions in standard leasing documents for federal agencies by 27 October 2015. In addition, GSA is required to publish the model leasing materials to encourage private sector building owners and tenants to implement energy efficiency provisions.

1.2.4 EPA Enforcement and Compliance History Online

The U.S. Environmental Protection Agency (EPA) recently [released](#) version 2.4 of the [Enforcement and Compliance History Online](#), which contains publicly available data from EPA's compliance and enforcement databases. Version 2.4 additions include Clean Air Act violation and enforcement data and the Clean Air Act stationary source search.

1.2.5 EPA Waste Analysis Guidance

EPA recently released an updated [guidance document](#) for performing waste analysis and developing waste analysis plans (WAPs) at facilities that generate, treat, store, or dispose of hazardous waste. This document also provides guidance for the development of used oil processor or re-refiner analysis plans, federal and state permit writers, and inspectors evaluating a facility's compliance with its WAP. The updated version supersedes the previous version released in April 1994.

1.2.6 Energy Star Savings Calculators

EPA's Energy Star recently released two spreadsheets used to calculate benefits of certain energy-efficient practices:

- [Computer Power Management Savings Calculator](#)
- [Savings Calculator for Energy Star Qualified Appliances](#)

These spreadsheets may be used to calculate potential savings associated with purchasing more energy-efficient appliances and altering appliance power settings. Additional information is available on Energy Star's [Low Carbon Information Technology Campaign](#) and [Purchasing Energy-Saving Products](#) websites.

1.2.7 Green Infrastructure Guidance

EPA recently released a guidance document, titled "[Community Based Public-Private Partnerships \(CBP3s\) and Alternative Market-Based Tools for Integrated Green Stormwater Infrastructure](#)." Green infrastructure is an approach to stormwater management that uses vegetation, soil, and natural processes to mimic the water cycle. The guidance document is geared towards local governments, but it can be used by other organizations for information on stormwater management. Additional information is available on EPA's [website](#).

1.2.8 Climate Adaptation Training

EPA recently [released](#) a web-based, on-demand [climate adaptation training module](#) based on information contained in the National Climate Assessment released in 2014. The training focuses on communities but can be used by other entities. Topics include the following:

- Climate change's potential effects on public health services
- Current adaptation strategies
- Links to federal and state resources

1.2.9 Emission Inventory Training

EPA's Air Pollution Training Institute (APTI) recently released a web-based, on-demand training course, titled "[Introduction to Emission Inventories](#)," which provides an overview of emission inventory compilation and reporting. Topics include the following:

- Defining common terms
- Describing the emission inventory process
- Calculating emissions
- Reporting emissions

Additional on-demand training courses related to air quality compliance are available on the [APTI website](#).

1.2.10 Green and Sustainable Remediation Webinar

The Interstate Technology & Regulatory Council has scheduled an introductory [webinar](#) on green and sustainable remediation (GSR) for 10 June 2015. GSR is the implementation of cleanup activities intended to achieve remedial objectives while using techniques and products that minimize the environmental impacts of a project. The webinar will include various topics related to GSR, including methods and benefits of implementation. [Registration](#) is required for attendance.

1.3 NASA Regulatory Communication Working Group Updates

The next Regulatory Communication Working Group call will be held on Wednesday, 17 June 2015, 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
AL051515-1 MSFC should consider reviewing plans to determine potential impacts to route availability and other barge operations.	Vessels	05/13/2015	80 FR 27296 HTML PDF	Notice	<p>U.S. Army Corps of Engineers</p> <p>Intent To Prepare a Draft Supplemental Environmental Impact Statement (Supplement 2) for the Mississippi River Ship Channel, Gulf to Baton Rouge, Louisiana, General Reevaluation Study</p> <p>Announces intent to prepare a draft SEIS, to be integrated with a GRR, for the Mississippi River Ship Channel, Gulf to Baton Rouge, Louisiana Project. The GRR and SEIS will investigate deepening and maintaining the Mississippi River Ship Channel from 45 feet deep to 50 feet deep. Meetings are scheduled for the following dates and locations:</p> <ul style="list-style-type: none"> ▪ 05/26/2015 in Belle Chasse, Louisiana ▪ 05/28/2015 in New Orleans, Louisiana ▪ 05/28/2015 in Baton Rouge, Louisiana

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
CA051515-1	Air SORE	05/06/2015	80 FR 26041 HTML PDF	Notice	<p>U.S. Environmental Protection Agency</p> <p>California State Nonroad Engine Pollution Control Standards; Small Off-Road Engines Regulations; Notice of Decision</p> <p>Announces EPA's confirmation that the ARB's 2008 amendments to the state spark-ignited SORE regulation are within the scope of previous EPA authorizations. Amendments include revisions to the SORE emissions credit program. Petitions for review due 07/06/2015.</p> <p>The SORE regulation controls exhaust and evaporative emissions from spark-ignited equipment rated at or below 25 horsepower. Additional information is available on ARB's website.</p>
CA051515-2	Occupational Safety Cranes and Derricks	05/15/2015	CRNR 2015, 20z, p. 800	Final Rule	<p>Occupational Safety and Health Standards Board</p> <p>Cranes and Derricks in Construction Operator Certification Effective Dates and Phase-In (Federal Time Extension) [8 CCR 1618.1]</p> <p>Finalizes an extended deadline for the certification of crane operators by type and capacity to 11/10/2017. Until then, mobile and tower crane operators in California will continue to be subject to the existing certification requirements of 8 CCR 5006.1. Effective 04/30/2015.</p> <p>Additional information is available on the OSHSB website.</p>
CA051515-3 SSFL should be aware of this action.	Occupational Safety Fire Safety	05/08/2015	CRNR 2015, 19z, p. 777	Final Rule	<p>Board of Forestry and Fire Protection</p> <p>SRA Fire Safe Regulations Update, 2014 [14 CCR 1273.01-1273.02, 1273.05-1273.08, 1273.10-1273.11, 1274.01, 1274.09, 1275.00-1275.01, 1275.10, 1275.15, 1276.00, and 1276.03]</p> <p>Finalizes updates to the SRA fire safety regulations regarding:</p> <ul style="list-style-type: none"> ▪ Emergency access ▪ Signage and building numbering ▪ Private water supply reserves for emergency fire use ▪ Vegetation modification <p>Effective 01/01/2016.</p> <p>SRA regulations set standards for future design and construction of structures and developments within SRA.</p>

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
CA051515-4	Toxic Substances Proposition 65-BPA	05/11/2015	OEHHA Website	Final Rule	Office of Environmental Health Hazard Assessment Bisphenol A Listed as Known to Cause Reproductive Toxicity. Effective May 11, 2015 [27 CCR 25305] Lists bisphenol A (BPA) as known to the State to cause reproductive toxicity by the "states' qualified experts" listing mechanism. Effective 05/11/2015. BPA is widely used as a component in resins and coating formulations.
CA051515-5	Water	05/05/2015	SWRCB Website	Final Rule	State Water Resources Control Board Adopted Emergency Conservation Resolution and Regulation [23 CCR 863-866] Finalizes emergency regulations intended to achieve a 25 percent reduction in potable urban water usage statewide through February 2016, compared to a 2013 baseline. The regulations consist of four main types of requirements: <ul style="list-style-type: none"> ▪ Prohibition on certain irrigation practices ▪ Order that all urban water suppliers reduce their total potable water production by a defined percentage ▪ Order that other distributors of public water supply reduce potable water consumption ▪ Order for all self-supplied commercial, industrial, and institutional water users to reduce potable water usage

2.2.1 Short-Lived Climate Pollutants Concept Paper

On 7 May 2015, the California Air Resources Board (ARB) [released](#) a concept paper describing ways in which California can reduce greenhouse gas and smog-causing emissions from short-lived climate pollutants (SLCPs). SLCPs, including methane, black carbon, and certain fluorinated gases such as refrigerants, foam blowing agents, and aerosol propellants, trap heat much more efficiently than carbon dioxide but tend to have a shorter lifespan in the atmosphere. The concept paper, titled "[Short-Lived Climate Pollutant Reduction Strategy](#)," identifies reduction targets of at least 40 percent for methane emissions and 80 percent for fluorinated gases compared to 1990 levels. A [public workshop](#) is scheduled for 27 May 2015 in Sacramento, California, to discuss the concept paper and development of a comprehensive strategy to reduce emissions of SLCPs. Additional information is available on ARB's [website](#).

2.2.2 Department of Toxic Substances Control Releases Final Priority Product Work Plan

The Department of Toxic Substances Control (DTSC) finalized its 3-year [Work Plan](#) 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 determine which ones will be identified as "Priority Products" subject to analysis under the regulations. The Work Plan provides guidance for evaluating certain product categories including, but not limited to, the following for possible identification:

- Building products, including flooring, paints, coatings, sealants, fillers, and adhesives
- Cleaning products, including those used for deodorizing, cleaning, and surface care
- Household furniture, office furniture, and similar items, including fabric and textile furnishings and office seating
- Office machinery consumable products, including inks, toners, and specialty paper

Additional information is available on SCP's [website](#).

2.2.3 ARB Risk Management Guidelines Workshops

ARB recently [announced](#) workshops to discuss the Draft Risk Management Guidelines for Stationary Sources of Air Toxics. The document will contain proposed guidance that California's 35 local air districts may elect to use when implementing the Office of Environmental Health

Hazard Assessment's revised risk assessment methodology. At the workshops, which are listed in the following table, ARB will accept public comments on the draft guidelines.

Course	Training Date	Location
Draft Risk Management Guidelines for Stationary Sources of Air Toxics Workshop	06/16/2015	Diamond Bar, California
	06/18/2015	Sacramento, California

ARB anticipates that the Draft Risk Management Guidelines will be released for public review by the end of May 2015. Additional information is available on ARB's [website](#).

2.2.4 California Diesel Vehicle, Large Spark-Ignition Vehicle, and Truck and Bus Regulation Training

ARB recently [announced](#) additional training dates for courses focusing on California's off-road diesel vehicles, large spark-ignition vehicles, diesel emission controls, and truck and bus regulations. The purpose of these courses is to provide vehicle owners, operators, fleet managers, and maintenance personnel with information about the requirements and technologies available to assist with regulatory compliance. Selected dates and locations for the courses include the following:

Course	Training Date	Location
#520: How to Comply with ARB Diesel Regulations	05/29/2015	Webinar

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

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

2.2.5.4 Mojave Desert Air Quality Management District

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

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
CAM051515-1	Air Fees	05/07/2015	MDAQMD Website	Proposed Rule Hearing	<p>Mojave Desert Air Quality Management District</p> <p>Amendment of MDAQMD Regulation III – Fees</p> <p>Proposes amendments to the following Regulation III rules:</p> <ul style="list-style-type: none"> ▪ Rule 301: Fee increase of 3 percent ▪ Rule 302: Retitle and consolidate provisions of Rules 304, 305, 306, 307, 308, 309, 310, 311, and 313 ▪ Rule 303: Restructure fees to cover a portion of the Hearing Board's actual costs <p>Public hearings are scheduled for 06/08/2015 and 06/22/2015 in Victorville, California. Comments due 06/15/2015.</p>

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 [South Coast Air Quality Management District](#).

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
CAS051515-1	Air	05/13/2015	SCAQMD Website	Notice Hearing	<p>South Coast Air Quality Management District</p> <p>Proposed Amended Rule 1401, 1401.1, 1402, and 212</p> <p>Announces a public hearing to discuss proposed amendments to the following rules to reference the revised OEHHA Air Toxics Hot Spots Program Guidance Manual for the Preparation of Risk Assessments:</p> <ul style="list-style-type: none"> ▪ Rule 1401–New Source Review of Toxic Air Contaminants ▪ Rule 1401.1–Requirements for New and Relocated Facilities Near Schools ▪ Rule 1402–Control of Toxic Air Contaminants from Existing Sources ▪ Rule 212–Standards for Approving Permits and Issuing Public Notice <p>Public hearing is scheduled for 06/05/2015 in Diamond Bar, California. Comments due 05/26/2015.</p> <p>Additional information is available in the Draft Staff Report, Public Workshop Presentation, and Fact Sheet.</p>
CAS051515-2	Air Coatings	05/13/2015	SCAQMD Website	Notice Meeting	<p>South Coast Air Quality Management District</p> <p>Architectural Coatings [Rule 1113] Working Group Meeting</p> <p>Announces a meeting to discuss proposed amendments to Rule 1113 and SCAQMD Test Method 313. Meeting is scheduled for 06/17/2015 in Diamond Bar, California.</p>

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 [Ventura County Air Pollution Control District](#).

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
CAV051515-1	Air	05/05/2015	VCAPCD Website	Notice	<p>Ventura County Air Pollution Control District</p> <p>Boilers, Steam Generators and Process Heaters [Rule 74.15.1]</p> <p>Announces a public hearing to discuss proposed amendments to Rule 74.15.1 to revise the following for gaseous- and liquid-fueled boilers, steam generators, and process heaters:</p> <ul style="list-style-type: none"> ▪ Establish NO_x and CO emission standards for units between 2 and 5 MMBTU/hr capacity ▪ Require annual screenings to be logged ▪ Require source testing every 4 years <p>Public hearing is scheduled for 06/23/2015 in Ventura, California.</p> <p>Additional information is available in the updated 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
FL051515-1	Electronic Reporting	05/07/2015	80 FR 26254 HTML PDF	Notice	<p>U.S. Environmental Protection Agency</p> <p>Cross-Media Electronic Reporting: Authorized Program Revision Approval, State of Florida</p> <p>Announces approval of Florida's request to revise certain EPA-authorized programs to allow electronic reporting for the following:</p> <ul style="list-style-type: none"> ▪ 40 CFR Part 122, "EPA Administered Permit Programs: The National Pollutant Discharge Elimination System" ▪ 40 CFR Part 403, "General Pretreatment Regulations For Existing And New Source Of Pollution" ▪ 40 CFR Part 501, "State Sludge Management Program Regulations" Effective 05/07/2015.

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
FL051515-2	Railroads	05/08/2015	80 FR 26643 HTML PDF	Final Rule	<p>Pipeline and Hazardous Materials Safety Administration</p> <p>Hazardous Materials: Enhanced Tank Car Standards and Operational Controls for High-Hazard Flammable Trains [49 CFR Parts 171, 172, 173, 174, and 179]</p> <p>Finalizes requirements intended to reduce accidents involving HHFTs by regulating:</p> <ul style="list-style-type: none"> ▪ Speed restrictions ▪ Braking systems ▪ Routing <p>Also, adopts the following safety improvements:</p> <ul style="list-style-type: none"> ▪ Tank car design standards ▪ Sampling and classification program for unrefined petroleum-based products ▪ Notification requirements <p>Effective 07/07/2015. [RIN 2137-AE91]</p> <p>HHFT is defined as a train composed of 20 or more tank cars loaded with a Class 3 flammable liquid in a continuous block or a train with 35 or more tank cars loaded with a Class 3 flammable liquid across the entire train.</p>
FL051515-3	Railroads	05/14/2015	80 FR 27844 HTML PDF	Notice	<p>Pipeline and Hazardous Materials Safety Administration</p> <p>Hazardous Materials: Information Collection Activities</p> <p>Solicits comments on the revision of a "Flammable Hazardous Materials by Rail Transportation" information collection to require tank car owners to report their progress in retrofitting tank cars to DOT. Comments due 07/13/2015.</p>

2.4 Louisiana State Regulatory Review

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

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
MD051515-1	Air SIP-Ozone	05/13/2015	80 FR 27255 HTML PDF	Final Rule	<p>U.S. Environmental Protection Agency</p> <p>Approval and Promulgation of Air Quality Implementation Plans; District of Columbia, Maryland, and Virginia; 2011 Base Year Emissions Inventories for the Washington DC-MD-VA Nonattainment Area for the 2008 Ozone National Ambient Air Quality Standard [40 CFR Part 52]</p> <p>Direct final rule approves the 2011 base year emissions inventories for the 2008 8-hour Ozone NAAQS. Effective 07/13/2015. Comments due 06/12/2015.</p>
MD051515-2	Radiation	05/15/2015	MDE website	Proposed Rule	<p>Maryland Department of the Environment</p> <p>Regulations for the Control of Ionizing Radiation—Supplement 26 [COMAR 26.12.01.01]</p> <p>Proposes to incorporate Supplement 26, which includes the following changes:</p> <ul style="list-style-type: none"> ▪ Establishes additional security requirements for use and transport of significant quantities of radioactive material ▪ Prohibits use of a radiation machine prior to facility registration ▪ Miscellaneous changes. <p>Effective 08/17/2015.</p>

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

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

2.8 Ohio State Regulatory Review

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

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
OH051515-1	Air General Provisions	05/04/2015	DAPC – What's New	Proposed Rule Hearing	Division of Air Pollution Control, Ohio Environmental Protection Agency General Provisions Rules [OAC 3745-15] Proposes revisions to the General Provisions rule, including the following: <ul style="list-style-type: none"> ▪ Authority of OEPA to collect emission information ▪ Measurement of air emissions ▪ Requirements for 'de minimis' sources of emissions ▪ SSM requirements ▪ Air pollution nuisances ▪ Other administrative requirements Hearing is scheduled for 06/12/2015 in Columbus, Ohio. Comments due 06/12/2015.
OH051515-2	Air NO _x	05/07/2015	DAPC – What's New	Notice	Division of Air Pollution Control, Ohio Environmental Protection Agency NO _x RACT Rule [OAC 3745-110-3] Solicits comments on the potential revisions to the NO _x RACT rule prior to OEPA's review. Comments due 06/09/2015. Industrial boilers, stationary combustion turbines, and stationary internal combustion engines located at facilities that emit or have the potential to emit more than 100 TPY of NO_x from all sources at the facility may be subject to OAC 3745-110-3.
OH051515-3	Waste	05/14/2015	DMWM – Announcements	Proposed Rule	Division of Materials and Waste Management, Ohio Environmental Protection Agency Beneficial Use Rules [OAC 3745-599] Proposes new regulations for the reuse of certain solid and industrial wastes, including wastes that can be used as fuels or ingredients in a combustion unit. Comments due 06/22/2015.
OH051515-4	Waste Hazardous Waste	05/13/2015	DMWM – What's New	Notice	Division of Materials and Waste Management, Ohio Environmental Protection Agency Federal Definition of Solid Waste [OAC 3745-50, 51, 52-69, 205, 256, 266, 270, 273, 279] Solicits comments on whether to mirror the federal definition of solid waste language in Ohio hazardous waste regulations. Federal regulations include several new and amended rules, such as: <ul style="list-style-type: none"> ▪ Waste under the control of the generator exclusion ▪ Verified recyclers exclusion ▪ Remanufacturing exclusion Comments due 08/13/2015.

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

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

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
UT051515-1	Air NO _x	05/07/2015	UDAQ Website	Proposed Rule	Utah Department of Environmental Quality; Division of Air Quality NO _x Emission Limits for Natural Gas-Fired Water Heaters [R307-230] Proposes to require only ultra-low NO _x water heaters to be sold or installed in Utah beginning 01/01/2017 for certain counties, including Box Elder, Cache, Davis, and Salt Lake. Comments due 07/01/2015.
UT051515-2	Air VOC	05/07/2015	UDAQ Website	Proposed Rule	Utah Department of Environmental Quality; Division of Air Quality General Requirements. Version of Code of Federal Regulations Incorporated by Reference [R307-101-3] Proposes to incorporate by reference federal revisions to the definition of VOC found in 40 CFR Part 51.100(s). Comments due 07/01/2015.

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
VA051515-1	Air Monitoring	05/13/2015	VDEQ website	Notice	Virginia Department of Environmental Quality Virginia Annual Air Monitoring 2015 Network Review Solicits comments on the draft Annual Air Monitoring 2015 Network Review. Comments due 06/15/2015.
VA051515-2	Natural Resources Coastal Barrier Resources	05/04/2015	80 FR 25314 HTML PDF	Notice	U.S. Fish and Wildlife Service John H. Chafee Coastal Barrier Resources System; Availability of Final Revised Maps for Maine, Maryland, New Jersey, New York, North Carolina, and Virginia Announces availability of revised maps for the Coastal Barrier Resources System in Virginia. Effective 05/04/2015.