



National Aeronautics and  
Space Administration

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

# Regulatory Tracking Summary

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**11 March 2016**

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

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

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](mailto:sharon.scroggins@nasa.gov)).

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# Acronyms and Abbreviations

1-BP = 1-Bromopropane	mg/m <sup>3</sup> = Micrograms per cubic meter
AAC = <i>Alabama Administrative Code</i>	MS4 = Municipal Separate Storm Sewer System
AAM = Alabama Administrative Monthly	NAAQS = National Ambient Air Quality Standards
AERR = Annual Emissions Reporting Rule	NASA = National Aeronautics and Space Administration
AFRC = Armstrong Flight Research Center	NOAA = National Oceanic and Atmospheric Administration
AQ = Air quality	NOx = Nitrogen oxide
ARB = Air Resources Board	n-PB = 1-Bromopropane; n-propyl bromide
ARC = Ames Research Center	NPDES = National Pollutant Discharge Elimination System
BAAQMD = Bay Area Air Quality Management District	NPL = National Priorities List
C&D = Construction and demolition	NPS = Nonpoint source
CAS = Chemical Abstracts Service	OAC = Ohio Administrative Code
CCR = California Code of Regulations	OSHSB = Occupational Safety and Health Standards Board
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act	PBS = Plum Brook Station
CFR = <i>Code of Federal Regulations</i>	PEL = Permissible exposure limit
CMP = Center Master Plan	PM <sub>2.5</sub> = Particulate matter having an aerodynamic equivalent diameter of 2.5 microns or less
CO = Carbon monoxide	PSD = Prevention of Significant Deterioration
CO <sub>2</sub> = Carbon dioxide	PTC = Positive train control
CRNR = California Regulatory Notice Register	PVC = Polyvinyl chloride
DCOI = Data Center Optimization Initiative	RCRA = Resource Conservation and Recovery Act
DCHP = Dicyclohexyl phthalate	RECLAIM = Regional Clean Air Incentives Market
DPEIS = Draft Programmatic Environmental Impact Statement	RDX = Hexahydro-1,3,5-trinitro-1,3,5-triazine
DRECP = Desert Renewable Energy Conservation Plan	RIN = Regulatory Identification Number
DTSC = Department of Toxic Substances Control	RMN = Regional Monitoring Network
EIB = Environmental Improvement Board	RRAC PC = Principal Center for Regulatory Risk Analysis and Communication
EIS = Environmental Impact Statement	SCAQMD = South Coast Air Quality Management District
EKAPCD = Eastern Kern Air Pollution Control District	SCORP = Statewide Comprehensive Outdoor Recreation Plan
EO = Executive Order	SIP = State Implementation Plan
EPA = U.S. Environmental Protection Agency	SMC = Significant Monitoring Concentration
ESA = Endangered Species Act	SSC = Stennis Space Center
EU = European Union	STEL = Short-term exposure limit
F.A.C. = Florida Administrative Code	SVHC = Substances of very high concern
FAR = <i>Florida Administrative Register</i>	SWQB = Surface Water Quality Bureau
FEMA = Federal Emergency Management Agency	TAC = Texas Administrative Code
FEIS = Final Environmental Impact Statement	TBD = To be determined
FITARA = Federal Information Technology Acquisition Reform Act	TCEQ = Texas Commission on Environmental Quality
FR = <i>Federal Register</i>	TexReg = <i>Texas Register</i>
FRA = Federal Railroad Administration	TSCA = Toxic Substances Control Act
F.S. = Florida Statutes	TVA = Tennessee Valley Authority
FWS = U.S. Fish and Wildlife Service	TWA = Time weighted average
FY = Fiscal year	U.S. = United States
GRC = Glenn Research Center	USGS = U.S. Geological Survey
GTCC = Greater-Than-Class C	VAC = Virginia Administrative Code
HRS = Hazard Ranking System	VA.R. = <i>Virginia Register</i>
IRIS = Integrated Risk Information System	VCAPCD = Ventura County Air Pollution Control District
JAPC = Joint Administrative Procedures Committee	VDEQ = Virginia Department of Environmental Quality
JPL = Jet Propulsion Laboratory	VOC = Volatile organic compound
KSC = Kennedy Space Center	WQCC = Water Quality Control Commission
LAC = Louisiana Administrative Code	
LUPA = Land Use Plan Amendment	
MAF = Michoud Assembly Facility	
MDAQMD = Mojave Desert Air Quality Management District	

# 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										
FED031116-1	Air Emissions	03/01/2016	<a href="#">81 FR 10619 HTML</a>   <a href="#">PDF</a>	Notice Meeting	U.S. Environmental Protection Agency Notification of a Public Meeting of the Chartered Science Advisory Board Announces a meeting to discuss the <a href="#">draft report</a> on an accounting framework for biogenic CO <sub>2</sub> emissions and EPA planned actions. Meeting is scheduled to begin 03/31/2016 in Arlington, Virginia.										
FED031116-2	Cultural Resources	03/03/2016	<a href="#">81 FR 11283 HTML</a>   <a href="#">PDF</a>	Notice	Advisory Council on Historic Preservation Notice of Proposed Policy Statement on Historic Preservation and Community Revitalization Solicits comments on a draft policy statement related to preserving historic resources and planning revitalization projects. Comments due 04/04/2016.										
FED031116-3	Energy	03/11/2016	<a href="#">81 FR 12885 HTML</a>   <a href="#">PDF</a>	Notice Meeting	U.S. Department of Energy Quadrennial Energy Review: Notice of Public Meeting Announces a series of meetings scheduled for the following dates and locations: <table border="1"> <thead> <tr> <th>Date</th> <th>Location</th> </tr> </thead> <tbody> <tr> <td>03/31/2016</td> <td>Atlanta, Georgia</td> </tr> <tr> <td>04/25/2016</td> <td>Salt Lake City, Utah</td> </tr> <tr> <td>05/10/2016</td> <td>Los Angeles, California</td> </tr> <tr> <td>TBD</td> <td>Austin, Texas</td> </tr> </tbody> </table> Comments due 07/01/2016.	Date	Location	03/31/2016	Atlanta, Georgia	04/25/2016	Salt Lake City, Utah	05/10/2016	Los Angeles, California	TBD	Austin, Texas
Date	Location														
03/31/2016	Atlanta, Georgia														
04/25/2016	Salt Lake City, Utah														
05/10/2016	Los Angeles, California														
TBD	Austin, Texas														
FED031116-4	Hazardous Substances Subsurface Intrusion	02/29/2016	<a href="#">81 FR 10371 HTML</a>   <a href="#">PDF</a>	Proposed Rule	U.S. Environmental Protection Agency Addition of a Subsurface Intrusion Component to the Hazard Ranking System [40 CFR Part 300] Proposes to add a subsurface intrusion component to the CERCLA HRS, which is used to evaluate sites for placement on the NPL. Comments due 04/29/2016. [RIN 2050-AG67] <b>Subsurface intrusion occurs when hazardous substances from the subsurface environment migrate into overlying structures. Additional information is available on EPA's <a href="#">website</a>.</b>										
FED031116-5	Natural Resources	03/04/2016	<a href="#">81 FR 11509 HTML</a>   <a href="#">PDF</a>	Notice	U.S. Department of Agriculture Notice of Proposed Changes to the National Handbook of Conservation Practices for the Natural Resources Conservation Service Announces availability of <a href="#">proposed revisions</a> to conservation practice standards in the National Handbook of Conservation Practices, including standards for waste storage facilities. Effective 03/04/2016. Comments due 04/04/2016.										
FED031116-6	Natural Resources	03/07/2016	<a href="#">81 FR 11833 HTML</a>   <a href="#">PDF</a>	Notice	U.S. Fish and Wildlife Service U.S. Fish and Wildlife Service Lands in the Northeast Region; Draft Long Range Transportation Plan Announces availability of the "Draft Long Range Transportation Plan," which outlines a strategy for improving and maintaining transportation infrastructure in areas within or adjacent to FWS lands in the Northeastern U.S. Comments due 04/06/2016. <b>The Plan includes FWS-managed lands in Maryland and Virginia.</b>										
FED031116-7	Natural Resources	03/08/2016	<a href="#">81 FR 12379 HTML</a>   <a href="#">PDF</a>	Notice	U.S. Fish and Wildlife Service Proposed Revisions to the U.S. Fish and Wildlife Service Mitigation Policy Announces availability of FWS's draft mitigation policy, which provides a framework for minimizing adverse impacts of land and water development projects on wildlife, plants, and habitats. Comments due 05/09/2016.										

Tracking Number	Subject	Date Published	Citation	Type Action	Description
FED031116-8	Occupational Safety	02/29/2016	<a href="#">81 FR 10250 HTML</a>   <a href="#">PDF</a>	Notice	Centers for Disease Control and Prevention Issuance of Final Publication Announces availability of the revised document, " <a href="#">Criteria for a Recommended Standard: Occupational Exposure to Heat and Hot Environments</a> ."
FED031116-9	Occupational Safety	03/01/2016	<a href="#">81 FR 10490 HTML</a>   <a href="#">PDF</a>	Notice Correction	Occupational Safety and Health Administration Occupational Safety and Health Standards [29 CFR Part 1910] Announces a correction to CFR text related to the definition of "flashpoint."
FED031116-10	Research Polymers	03/01/2016	<a href="#">81 FR 10590 HTML</a>   <a href="#">PDF</a>	Notice	National Institute of Standards and Technology Service Life Prediction Methodologies and Metrologies for Commercial Polymers Consortium Establishes the Consortium to develop the science to support the modification of standards for the testing and certification of commercial polymeric materials with the ultimate goal of establishing a reliability-based service life prediction methodology for commercial polymers.
FED031116-11 <a href="#">MAF and SSC</a> should be aware of this action.	Species Louisiana Black Bear	03/11/2016	<a href="#">81 FR 13123 HTML</a>   <a href="#">PDF</a>	Final Rule	U.S. Fish and Wildlife Service Endangered and Threatened Wildlife and Plants; Removal of the Louisiana Black Bear From the Federal List of Endangered and Threatened Wildlife and Removal of Similarity-of-Appearance Protections for the American Black Bear [50 CFR Part 17] Finalizes the following for the Louisiana black bear: <ul style="list-style-type: none"> <li>▪ Removal from the List of Endangered and Threatened Wildlife</li> <li>▪ Removal of designated critical habitat</li> <li>▪ Removal of similarity of appearance protections for the American black bear</li> </ul> Also announces availability of the <a href="#">final post-delisting monitoring plan</a> . Effective 04/11/2016. [RIN 1018-BA44]
FED031116-12	Sustainability Buildings	03/02/2016	<a href="#">81 FR 10843 HTML</a>   <a href="#">PDF</a>	Notice	U.S. Council on Environmental Quality Guiding Principles for Sustainable Federal Buildings Announces availability of the revised documents, " <a href="#">Guiding Principles for Sustainable Federal Buildings and Associated Instructions</a> " and " <a href="#">Determining Compliance with the Guiding Principles for Sustainable Federal Buildings</a> ." <b>In support of EO 13693, the guidelines outline key principles and primary requirements for the design, construction, and operation of new and existing sustainable federal buildings.</b>
FED031116-13	Sustainability Data Centers	03/02/2016	<a href="#">81 FR 10920 HTML</a>   <a href="#">PDF</a>	Notice	Office of Management and Budget Request for Comments on Data Center Optimization Initiative Solicits comments on the draft memorandum, " <a href="#">Data Center Optimization Initiative</a> ," which outlines a framework for meeting data center consolidation and optimization requirements under FITARA and data center strategies. Comments due 04/01/2016. <b>Federal agency data centers are subject to sustainability requirements in EO 13693. Additional information is available on DCOI's website.</b>
FED031116-14 <a href="#">NASA Centers</a> should be aware of this action.	Toxic Substances n-PB	03/08/2016	<a href="#">81 FR 12098 HTML</a>   <a href="#">PDF</a>	Notice	U.S. Environmental Protection Agency 1-Bromopropane (1-BP); Availability of TSCA Work Plan Chemical Risk Assessment for Public Review and Comment Announces availability of the draft risk assessment, " <a href="#">TSCA Work Plan Chemical Risk Assessment for 1-Bromopropane (n-Propyl Bromide)</a> ." Comments due 05/09/2016. <b>The Assessment focuses on exposures associated with n-PB use in degreasing and spray adhesives.</b>
FED031116-15	Toxic Substances RDX	03/10/2016	<a href="#">81 FR 12727 HTML</a>   <a href="#">PDF</a>	Notice Meeting	U.S. Environmental Protection Agency Public Comment Draft for the Integrated Risk Information System (IRIS) Assessment of Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) Announces availability of the <a href="#">draft toxicological review</a> of RDX. Meeting is scheduled for 05/10/2016. Comments due 05/09/2016.

Tracking Number	Subject	Date Published	Citation	Type Action	Description
FED031116-16	Waste Hazardous Waste	03/03/2016	<a href="#">81 FR 11212 HTML</a>   <a href="#">PDF</a>	Notice	U.S. Environmental Protection Agency Twenty-Ninth Update of the Federal Agency Hazardous Waste Compliance Docket Announces availability of the updated <a href="#">Federal Agency Hazardous Waste Compliance Docket</a> , which identifies federal facilities not included in the previous listing ( <a href="#">80 FR 49223</a> , 08/17/2015). <b>The Docket contains certain information reported to EPA by federal facilities that manage hazardous waste or have reported a release of hazardous substances.</b>
FED031116-17	Waste Radioactive Waste	03/04/2016	<a href="#">81 FR 11550 HTML</a>   <a href="#">PDF</a>	Notice	U.S. Department of Energy Notice of Availability of the Final Environmental Impact Statement for the Disposal of Greater-Than-Class C (GTCC) Low-Level Radioactive Waste and GTCC-Like Waste Announces availability of the <a href="#">FEIS</a> , which evaluates the potential environmental impacts associated with the disposal of GTCC low-level radioactive waste and GTCC-like wastes.
FED031116-18	Water	03/01/2016	<a href="#">81 FR 10620 HTML</a>   <a href="#">PDF</a>	Notice	U.S. Environmental Protection Agency Request for Public Comment on the Draft EPA-USGS Technical Report: Protecting Aquatic Life From Effects of Hydrologic Alteration Solicits comments on the draft technical report, " <a href="#">Protecting Aquatic Life from Effects of Hydrologic Alteration</a> ." Comments due 05/02/2016.
FED031116-19	Water Freshwater Streams	02/29/2016	<a href="#">81 FR 10240 HTML</a>   <a href="#">PDF</a>	Notice	U.S. Environmental Protection Agency Regional Monitoring Networks (RMNs) To Detect Changing Baselines in Freshwater Wadeable Streams Announces availability of the final report, " <a href="#">Regional Monitoring Networks (RMNs) to Detect Changing Baselines in Freshwater Wadeable Streams</a> ," which discusses the development of the current network and how RMN data will be used.

## 1.2 Other News and Development

### 1.2.1 New Ceramic Capacitor Test Method

On 29 February 2016, the [National Institute of Standards and Technology's](#) Material Measurement Laboratory [announced](#) a new, non-destructive testing method designed to identify cracks in ceramic capacitors. Ceramic capacitors store electric charges in spacecraft components and are prone to subsurface cracking in high-stress areas. The new test method, developed in collaboration with Goddard Space Flight Center, exposes the ceramic capacitors to acoustic waves. Variation in the vibration from acoustic waves may indicate decay or micro-cracks and identify deficient ceramic capacitors.

### 1.2.2 Vapor Intrusion Technical Workshop

On 22 March 2016, the U.S. Environmental Protection Agency (EPA) will host two technical sessions on [vapor intrusion](#) at the [2016 International Conference on Soil, Water, Energy, and Air](#) in San Diego, California. Session 1 will address EPA's 2015 Technical Guide for Vapor Intrusion by providing case studies and technical research. Session 2 will consist of an informal question and answer session. Attendees may participate in person or via webinar. [Registration](#) is available.

### 1.2.3 Implementation Rule Released for EPA's NPDES Electronic Reporting Rule

The National Pollutant Discharge Elimination System (NPDES) E-Reporting Rule Implementation Plan Integrated Project Team has developed a [template](#) that will allow authorized NPDES programs to submit a compliant Implementation Plan that adheres to the requirements of the [Phase 2 E-Reporting rule](#), published by EPA in October 2015, by 21 December 2016. Additional information is available on the Environmental Information Exchange Network's [website](#).

### 1.2.4 EPA Pollution Prevention Program National Grants Webinar Update

EPA has rescheduled the fiscal year (FY) 2016 and FY 2017 [National Grants Webinar](#), from 09 March 2016 to 22 March 2016. The webinar will highlight information for federal grant funding applicants under the following areas:

- Pollution Prevention Grant Program
- Pollution Prevention Information Network Grant Program
- Source Reduction Assistance Grant Program

Registration is available through EPA's [website](#).

### 1.2.5 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](#), the [European Chemicals Agency](#) has launched a public [consultation](#) on the proposal to identify four substances in the [Registry of Intentions](#) as Substances of Very High Concern (SVHCs). Comments are due by 14 April 2016. The substances and examples of their uses are listed in the following table:

Substance Name	CAS Number	Specific Use to be Authorized
Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	Occurs as a constituent or impurity in other substances
Dicyclohexyl phthalate (DCHP)	84-61-7	Plastisol and in PVC, rubber and plastic articles. Used also as a phlegmatizer and dispersing agent for formulations of organic peroxides.
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	Sunscreens and other cosmetics
(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptane-2-one (4-methylbenzylidene camphor)	36861-47-9	Sunscreens and other cosmetics

If a substance is identified as an SVHC, it is added to the Candidate List and will be eligible for eventual inclusion in the Authorisation List (Annex XIV). Inclusion on the Authorisation List requires special authorization for continued manufacture and use in the EU after an assigned "sunset" date. Although requirements associated with restriction 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.

### 1.2.6 EPA Greenhouse Gas Guidance Documentation

On 07 March 2016, EPA [issued](#) revised guidance documentation to assist users in calculating their greenhouse gas emissions. The guidance addresses emissions from stationary combustion sources, mobile combustion sources, and purchased electricity. Additional information is available on EPA's Center for Corporate Climate Leadership [website](#).

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

The next Regulatory Communication Working Group call will be held on Wednesday, 20 April 2016, 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
AL031116-1	Natural Resources Wheeler Reservoir	03/03/2016	<a href="#">81 FR 11344 HTML</a>   <a href="#">PDF</a>	Notice	Tennessee Valley Authority Environmental Impact Statement-Multiple Reservoirs Land Management Plans Announces plans to prepare an EIS to analyze the impacts of alternative uses for multiple TVA-managed reservoirs and surrounding lands, including Wheeler Reservoir in Alabama. Comments due 04/04/2016.
AL031116-2	Waste Hazardous Waste	02/29/2016	<a href="#">AAM Volume XXXIV Iss. 5</a>	Final Rule	Alabama Department of Environmental Management Hazardous Waste Program [AAC 335-14] Finalizes revisions to the Hazardous Waste Program, including clarifying the definition of "solid waste" and correcting errors. Effective 03/29/2016.

### 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
CA031116-1 <a href="#">AFRC, Goldstone, and JPL</a> should be aware of this action.	Energy	03/11/2016	<a href="#">81 FR 12938 HTML</a>   <a href="#">PDF</a>	Notice	U.S. Bureau of Land Management Notice of Areas of Critical Environmental Concern in the Desert Renewable Energy Conservation Plan Proposed Land Use Plan Amendment, California Solicits comments on the designation of 134 Areas of Critical Environmental Concern, as identified in the alternatives found within the <a href="#">Proposed LUPA and Final EIS</a> for the DRECP. Comments due 05/10/2016. <b>Areas of Critical Environmental Concern encompass several counties, including Kern, Los Angeles, and San Bernardino.</b>
CA031116-2	Occupational Safety	02/25/2016	<a href="#">OSHSB Website</a>	Final Rule	Occupational Safety and Health Standards Board General Industry Safety Orders 3328(a)—Definition of Adequate Design [8 CCR 3328] <a href="#">Finalizes</a> changes to the term "of adequate design" by replacing it with "designed or engineered to safely sustain all anticipated loads." Effective 04/01/2016.
CA031116-3	Occupational Safety Airborne Contaminants	03/04/2016	<a href="#">CRNR 2016, 10z, p. 304</a>	Proposed Rule Hearing	Occupational Safety and Health Standards Board Airborne Contaminants—Wood Dust and Western Red Cedar [8 CCR 5155] <a href="#">Proposes</a> lowering the PELs for wood and western red cedar dust to the following: <ul style="list-style-type: none"> <li>▪ Wood dust: <ul style="list-style-type: none"> <li>▪ 1 mg/m<sup>3</sup> for 8-hour TWA</li> <li>▪ 5 mg/m<sup>3</sup> for 15-minute STEL</li> </ul> </li> <li>▪ Western red cedar: 0.5 mg/m<sup>3</sup> for 8-hour TWA</li> </ul> Hearing is scheduled for 04/21/2016 in Walnut Creek, California. Comments due 04/21/2016. <b>Additional information is available on OSHSB's website.</b>

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
CA031116-4 <a href="#">ARC</a> should be aware of this action.	Species California Tiger Salamander	03/11/2016	<a href="#">81 FR 12930 HTML</a>   <a href="#">PDF</a>	Notice	U.S. Fish and Wildlife Service Endangered and Threatened Wildlife and Plants; Draft Recovery Plan for the Central California Distinct Population Segment of the California Tiger Salamander ( <i>Ambystoma californiense</i> ) Announces availability of a <a href="#">draft recovery plan</a> for the California tiger salamander, which includes: <ul style="list-style-type: none"> <li>▪ Delisting objectives and criteria</li> <li>▪ Addressing specific actions necessary to remove the species from the Lists of Endangered and Threatened Wildlife and Plants</li> </ul> Comments due 05/10/2016.  <b>The California tiger salamander's habitat includes Santa Clara County, California.</b>
CA031116-5	Toxic Substances	03/04/2016	<a href="#">CRNR 2016, 10z, p. 356</a>	Final Rule	Department of Toxic Substances Control Safer Consumer Products—Candidate Chemicals List [22 CCR 69502.2] Finalizes corrections to citations in chemical lists adopted in 2013, effectively adding three chemicals to DTSC's collective candidate chemical list. Effective 04/01/2016.  <b>The candidate chemical list is a list of chemicals that exhibit specific hazard traits and/or environmental or toxicological endpoints. Additional information is available on DTSC's website.</b>

### 2.2.1 2030 Target Scoping Plan Update

The California Air Resources Board (ARB), California Department of Food and Agriculture, California Natural Resources Agency, and Governor's Office of Planning and Research are jointly hosting a [workshop](#), scheduled for 23 March 2016, to support future updates to the Assembly Bill 32 Scoping Plan to reflect California's goal to reduce statewide greenhouse gas emissions 40 percent below 1990 levels by 2030. A discussion paper will be released prior to the workshop, containing initial ideas for evaluation as part of the 2030 climate change vision and strategy. Meeting materials will be posted on ARB's [website](#).

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

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

Course	Training Date	Location
<a href="#">#504: In-Use Off-Road Diesel Vehicle Regulation</a>	04/05/2016	Ventura, CA
	04/06/2016	Alhambra, CA
<a href="#">#511.2: Diesel Particulate Filter Operation and Maintenance</a>	04/05/2016	Ventura, CA
	04/06/2016	Alhambra, CA
<a href="#">#521.6: ARB Diesel Truck Rules - Compliance Options and Reporting Requirements for 2016</a>	03/22/2016	Webinar
	03/23/2016	Webinar
<a href="#">#525: Compliance Overview: Truck &amp; Bus Rule, Off-Road Regulation, and Portable Equipment</a>	04/19/2016	Webinar
	04/20/2016	Webinar

### 2.2.3 California Air Districts Regulatory Review

#### 2.2.3.1 Antelope Valley Air Quality Management District

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

### 2.2.3.2 Bay Area Air Quality Management District

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
CAB031116-1	Air Fees	03/08/2016	<a href="#">BAAQMD Website</a>	Notice Hearing	Bay Area Air Quality Management District Draft Amendments to Regulation 3: Fees <a href="#">Announces</a> a hearing to discuss <a href="#">amendments</a> to Regulation 3, which would increase regulatory fees for FY 2017. Hearing is scheduled for 04/20/2016 in San Francisco, California. Comments due 05/11/2016.

### 2.2.3.3 Eastern Kern Air Pollution Control District

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

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
CAE031116-1	Air	03/02/2016	<a href="#">EKAPCD Website</a>	Notice	Eastern Kern Air Pollution Control District Notice of March "Desert Breeze" Newsletter Announces availability of the March issue of the " <a href="#">Desert Breeze</a> " newsletter, which includes a discussion on formaldehyde and part one of a three-part series on solar thermal power.

### 2.2.3.4 Mojave Desert Air Quality Management District

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

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
CAM031116-1	Air	03/10/2016	<a href="#">MDAQMD Website</a>	Notice	Mojave Desert Air Quality Management District Notice of 2016 Spring Newsletter Announces availability of the spring issue of the " <a href="#">Desert Air Monitor</a> ," which includes discussions on the following topics: <ul style="list-style-type: none"> <li>▪ MDAQMD Plans to Honor ARB Advisory 347</li> <li>▪ ARB industry workshops</li> <li>▪ Title V certification</li> <li>▪ EPA standard for ground-level ozone</li> </ul>

### 2.2.3.5 South Coast Air Quality Management District

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

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
CAS031116-1	Air Fees	03/10/2016	<a href="#">SCAQMD Website</a>	Notice Workshop	South Coast Air Quality Management District Fiscal Year 2016-17 Budget and Work Program, Automatic Fee Adjustment, and Proposed Amended Rule 306–Plan Fees <a href="#">Announces</a> a workshop to discuss the following: <ul style="list-style-type: none"> <li>▪ Proposed Budget and Work Program</li> <li>▪ Automatic fee adjustment</li> <li>▪ Proposed amendments to Rule <a href="#">306</a> for FY 2016-2017</li> </ul> Workshop is scheduled for 04/06/2016 in Diamond Bar, California. Hearing is scheduled for 05/06/2016 in Diamond Bar, California. Comments due 04/13/2016.
CAS031116-2	Air RECLAIM	03/04/2016	<a href="#">SCAQMD Website</a>	Final Rule	South Coast Air Quality Management District Amendments to Rule 2011 and Rule 2012 Finalizes minor amendments to definitions in Rule <a href="#">2011</a> and Rule <a href="#">2012</a> , related to the NO <sub>x</sub> RECLAIM Program. Effective 02/05/2016.

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
CAS031116-3	Air SIP	03/10/2016	<a href="#">81 FR 12637 HTML</a>   <a href="#">PDF</a>	Proposed Rule	U.S. Environmental Protection Agency Revisions to the California State Implementation Plan; South Coast Air Quality Management District; Control of Oxides of Nitrogen Emissions From Off-Road Diesel Vehicles [40 CFR Part 52] Proposes approval of revisions to the SCAQMD portion of the SIP to incorporate <a href="#">Rule 2449</a> , regarding control of NO <sub>x</sub> emissions from off-road vehicles. Comments due 04/11/2016.

### 2.2.3.6 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
CAV031116-1	Air Fees	03/02/2016	<a href="#">VCAPCD Website</a>	Notice Hearing	Ventura County Air Pollution Control District Proposed Revisions to Permit Fees [Rule 42] <a href="#">Announces</a> a hearing to discuss <a href="#">proposed</a> revisions to <a href="#">Rule 42</a> , which would increase permit renewal fees by 2 percent. Hearing is scheduled for 04/12/2016 in Ventura, California. <a href="#">Additional information is available in the updated Draft Staff Report.</a>

## 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
FL031116-1	Natural Resources	03/04/2016	<a href="#">81 FR 11596 HTML</a>   <a href="#">PDF</a>	Notice Meeting	National Aeronautics and Space Administration Notice Of Availability Of The Draft Programmatic Environmental Impact Statement (DPEIS) for the Center Master Plan (CMP) Update covering Center-wide Operations, Kennedy Space Center (KSC), Titusville, Florida Announces availability of the <a href="#">DPEIS</a> , which analyzes environmental impacts for proposed Center-wide operations. Comments due 04/18/2015. Meetings are scheduled for 03/29/2016 in Titusville, Florida and 03/30/2016 in New Smyrna Beach, Florida.
FL031116-2	Natural Resources Coral Reef	03/02/2016	<a href="#">FAR Notice #17100923</a>	Notice Meeting	National Oceanic and Atmospheric Administration Coral Reef Conservation Program Announces a meeting of the "Our Florida Reefs" Community Working Group to review feedback received from the public on draft Recommended Management Actions and consider revisions. Meetings are scheduled to begin 04/06/2016 in Coconut Creek, Florida.
FL031116-3	Recreation SCORP	03/10/2016	<a href="#">FAR Notice #17217323</a>	Notice Meeting	Department of Environmental Protection Division of Recreation and Parks Announces a meeting to discuss the <a href="#">Statewide Comprehensive Outdoor Recreation Plan</a> . <a href="#">Agenda</a> will be available for review. Meeting is scheduled for 03/17/2016 in Tallahassee, Florida.
FL031116-4	Transportation Railroad	02/29/2016	<a href="#">81 FR 10126 HTML</a>   <a href="#">PDF</a>	Final Rule	Federal Railroad Administration Positive Train Control Systems [49 CFR Part 236] Finalizes updates to extend certain PTC system implementation deadlines and remove obsolete PTC regulations. Effective 04/29/2016. Petitions for reconsideration due 04/19/2016. Comments on petitions due 06/03/2016. [RIN 2130-AC56] <a href="#">Additional information is available on FRA's website.</a>

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
FL031116-5	Waste Solid Waste	03/01/2016	<a href="#">FAR Notice #17229254</a>	Final Rule	Department of Environmental Protection Solid Waste Management Facilities [Chapter 62-701, F.A.C.] Finalizes the following: <ul style="list-style-type: none"> <li>▪ Address a state requirement <a href="#">[403.707(9)(g), F.S]</a> to process C&amp;D debris prior to disposal to the extent economically feasible</li> <li>▪ Implement a request by JAPC to incorporate certain secondary references</li> <li>▪ Provide a new form for processing C&amp;D debris prior to disposal if economically feasible</li> </ul> Effective 03/13/2016.
FL031116-6	Waste Solid Waste	03/01/2016	<a href="#">FAR Notice #17229351</a>	Final Rule	Department of Environmental Protection Construction and Demolition Debris Disposal and Recycling [Chapter 62-701.730, F.A.C.] Finalizes amendments to clarify availability of Form 62-701.900(36), "Certification of Economic Feasibility to Process C&D Debris Prior to Disposal." Effective 03/13/2016.

## 2.4 Louisiana State Regulatory Review

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

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
LA031116-1	Air PM <sub>2.5</sub>	03/20/2016	<a href="#">AQ357ft</a>	Final Rule	Louisiana Department of Environmental Quality Deletion of the Significant Monitoring Concentration for PM <sub>2.5</sub> [LAC 33:III.509] <a href="#">Finalizes</a> deletion of the SMC for PM <sub>2.5</sub> from the PSD program. Effective 03/20/2016.

## 2.5 Maryland State Regulatory Review

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

## 2.6 Mississippi State Regulatory Review

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

## 2.7 New Mexico State Regulatory Review

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

Tracking Number	Subject	Date Published	Ref. Page	Type Action	Description
NM031116-1	Air	03/01/2016	<a href="#">EIB</a>	Notice Meeting	Environmental Improvement Board Notice of Meeting for the Environmental Improvement Board Announces a meeting of the EIB scheduled for 04/08/2016 in Santa Fe, New Mexico. <a href="#">Agenda will be available approximately 10 days before the meeting.</a>
NM031116-2	Water	03/10/2016	<a href="#">WQCC</a>	Notice Meeting	Water Quality Control Commission Notice of Meeting for the Water Quality Control Commission Announces a meeting of the WQCC scheduled for 04/12/2016 in Santa Fe, New Mexico. <a href="#">Agenda will be available approximately 10 days before the meeting.</a>

## 2.7.1 NPS 2015 Annual Report

On 29 January 2016, the New Mexico Surface Water Quality Bureau (SWQB) released the [Nonpoint Source \(NPS\) Management Program 2015 Annual Report](#). Additional information is available on SWQB's [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
OH031116-1	Air Open Burning	03/01/2016	<a href="#">Public Notice</a>	Notice	Division of Air Pollution Control, Ohio Environmental Protection Agency Plum Brook Station—Approval for Open Burning [OAC 3745-19] Announces approval for PBS to open burn approximately 2,700 acres of open property.
OH031116-2 <b>GRC</b> should be aware of this action.	Air SIP—Ozone	03/10/2016	<a href="#">81 FR 12591 HTML</a>   <a href="#">PDF</a>	Final Rule	U.S. Environmental Protection Agency Air Plan Approval; Ohio; Base Year Emission Inventories for the 2008 8-hour Ozone Standard [40 CFR Part 52] Direct final rule approves SIP revisions to address emission inventory requirements for various areas, including the Cleveland ozone non-attainment area. Effective 05/09/2016. Comments due 04/11/2016. <a href="#">Cuyahoga County is included in the emission inventory requirements.</a>
OH031116-3	Waste Hazardous Waste	03/01/2016	<a href="#">Public Notice</a>	Notice	Division of Materials and Waste Management, Ohio Environmental Protection Agency RCRA C—Hazardous Waste Facility Closure Action Solicits comments on PBS' submittal of a revised amended hazardous waste closure plan for the groundwater remediation system at the garage maintenance area. Comments due 04/14/2016.

## 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
TX031116-1	Air SIP	03/04/2016	<a href="#">41 TexReg 1747</a>	Notice Hearing	Texas Commission on Environmental Quality General Air Quality and State Implementation Plan (SIP) Rules [30 TAC 101 and 40 CFR Part 51] Announces a hearing to discuss proposed revisions to air quality rules and corresponding SIP changes, including: <ul style="list-style-type: none"> <li>▪ Incorporating the most recent federal definition of VOC</li> <li>▪ Aligning the lead reporting threshold with EPA's AERR</li> <li>▪ Revising terminology and definitions to conform with the AERR</li> </ul> Hearing is scheduled 03/29/2016 in Austin, Texas. Comments due 04/04/2016.

### 2.9.1 2016 TCEQ Environmental Trade Fair and Conference

On 29 February 2016, the Texas Commission on Environmental Quality (TCEQ) announced early registration for the 2016 Environmental Trade Fair and Conference. The event hosts a variety of environmental topics featuring classroom sessions and an exhibitor showroom. The conference is scheduled for 03 through 04 May 2016 in Austin, Texas. Additional information and registration is available [online](#).

## 2.9.2 Proposed El Paso Carbon Monoxide Limited Maintenance Plan SIP Revision

On 03 March 2016, TCEQ [approved](#) for proposal the [El Paso Carbon Monoxide \(CO\) Limited Maintenance Plan State Implementation Plan \(SIP\) Revision](#). The proposed revision would satisfy Section 175A(b) of the Clean Air Act requiring states to submit revisions 8 years after attainment redesignation. The proposed SIP revision would also demonstrate continued maintenance of the 8-hour primary CO National Ambient Air Quality Standard in El Paso, Texas, from October 2018 to October 2028. A hearing to discuss the proposed revision is scheduled for 13 April 2016 in El Paso, Texas. Comments on the proposed revision are due by 18 April 2016.

## 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
VA031116-1	Air SIP-PM <sub>2.5</sub>	03/07/2016	<a href="#">81 FR 11711 HTML</a>   <a href="#">PDF</a>	Proposed Rule	U.S. Environmental Protection Agency Approval and Promulgation of Air Quality Implementation Plans; Virginia; Infrastructure Requirements for the 2012 Fine Particulate Matter National Ambient Air Quality Standards [40 CFR Part 52] Proposes to approve SIP revisions that would incorporate federal updates to the PM <sub>2.5</sub> NAAQS. Comments due 04/06/2016.
VA031116-2	Air SIP-PSD	02/29/2016	<a href="#">81 FR 10088 HTML</a>   <a href="#">PDF</a>	Final Rule	U.S. Environmental Protection Agency Approval and Promulgation of Air Quality Implementation Plans; Virginia; Prevention of Significant Deterioration; Fine Particulate Matter [40 CFR Part 52] Direct final rule approves SIP revisions, including updating the PSD air quality preconstruction permitting program to be consistent with federal PSD regulations. Effective 04/29/2016. Comments due 03/30/2016.
VA031116-3	Emergency Planning	03/07/2016	<a href="#">81 FR 11821 HTML</a>   <a href="#">PDF</a>	Notice	Federal Emergency Management Agency Changes in Flood Hazard Determinations Finalizes revisions to flood hazard determinations for the City of Hampton, Virginia. Effective 05/16/2016. <b>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 FEMA's website.</b>
VA031116-4	Species	03/07/2016	<a href="#">32:14 VA.R. 2079-2082</a>	Final Rule	Board of Game and Inland Fisheries, Virginia Department of Conservation and Natural Resources Definitions and Miscellaneous: In General [4VAC15-20] Finalizes amendments, including: <ul style="list-style-type: none"> <li>Updating the reference date for the list of endangered and threatened wildlife species</li> <li>Adding the little brown bat and the tri-colored bat as endangered species to the Virginia Endangered and Threatened Species list</li> <li>Describing certain activities that may be conducted without a permit, provided the activities are conducted in a certain manner</li> </ul> Effective 04/01/2016.
VA031116-5	Water Permitting	03/11/2016	<a href="#">VDEQ website</a>	Notice	Virginia Department of Environmental Quality Virginia Stormwater Management Program [9VAC25-870] Solicits comments on the <a href="#">draft MS4 permit</a> for the City of Hampton, Virginia. A <a href="#">fact sheet</a> on the draft permit is available. Comments due 04/11/2016.