

NASA-USAF 50-Year Permit (10/3/2008)

NASA Permits and Program Reports (10/3/2008)

Program	Description	Delegable to Leasee/ Operator Yes/ No
Air	<p>Air emission reduction credits: In transferring Moffett Field NAS to NASA, the Navy determined that the transfer of emission sources at NAS Moffett Field to NASA would be a change in permit holders (to NASA) not resulting in a real, permanent, quantifiable, and enforceable reduction in emissions that could be banked or sold as credits. The Navy further determined that if emissions reduction credits were created, such credits would be Federal related Personal Property and to separate them from the emission sources transferred to NASA would significantly and permanently diminish the value of the real property for reuse. CA ANG has 11 permitted air emission sources and 9 exempt sources:</p> <ol style="list-style-type: none"> 1) Source No. 51, Paint Spray Booth 2) Source No. 60, Hydrocarbon Degreaser 3) Source No. 67, Hydrocarbon Degreaser 4) Source No. 71, Abrasive Blasting (EXEMPT) 5) Source No. 72, Welding (EXEMPT) 6) Source No. 89, Natural Gas Boiler (EXEMPT) 7) Source No. 131, Arc Welder (EXEMPT) 8) Source No. 132, Oxy-Acetylene & Arc Welding (EXEMPT) 9) Source No. 133, Abrasive Blasting 10) Source No. 145, Vacuum Cleaning System, sawdust (EXEMPT) 11) Source No. 146, Vacuum Cleaning Equipment, sawdust (EXEMPT) 12) Source No. 147, Touch-Up Painting on Aircraft 13) Source No. 148, Stand-by Generator 14) Source No. 149, Stand-by Generator 15) Source No. 150, Stand-by Generator 16) Source No. 151, Stand-by Generator 17) Source No. 152, Stand-by Generator diesel engine (EXEMPT) 18) Source No. 160, Stand-by Generator 19) Source No. 161, Architectural Coating Operation (EXEMPT) 20) Source No. 162, Facility-wide Wipe Cleaning <p>CA ANG also has 57 pieces of equipment registered under the Portable Equipment Registration Program as Tactical Support Equipment.</p>	No; Tenant must already obtain its own permits for equipment and operations.
Air	Prepare and submit annual Throughput Report to the Bay Area Air Quality Management District (BAAQMD) under BAAQMD regulation 1-1-441. (Note: The Tenant obtains its air permits for equipment and operations (see above). The permits have a reporting requirement. The tenant submits an annual Throughput Report to fulfill these permit conditions.)	No; Tenant must already report separately.
Air	Maintain POC, conduct survey to develop a Transportation Management Plan, host commute alternatives awareness events, and implement plan required under BAAQMD Regulation 13, Rule 1.	Yes
Air	Prepare and submit § 176 Clean Air Act (CAA) Conformity determination(s) as required. Federal agencies must identify, analyze, and quantify emission impacts of an	Yes



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	action (federally funded, licensed, permitted, or approved) where the total direct and indirect emissions for criteria pollutants in a nonattainment or maintenance area exceed rates specified in Title 40 CFR 93.153(b)(1) and (2). An action is also subject to the General Conformity Rule when the emissions are regionally significant, even if the total direct and indirect emissions are less than the specified rates (<i>de minimis</i> emissions) for any criteria pollutant in a nonattainment zone. Clean Air Act § 176	
Air	Review to determine whether Title V Clean Air Act - Major Facility Review (MFR) is triggered and if an operating permit is required under BAAQMD Regulation 2 Rule 6. Note: BAAQMD and USEPA advise that rule is changing to cover more sources, e.g., natural gas, and to eliminate certain waivers.	Yes
Air	Conduct Major Source Review determinations for Military Installations under the Air Toxics, New Source Review, and Title V Operating Permit Programs of the Clean Air Act (CAA) Memorandum, US EPA, August 2, 1996	Yes
Air	Conduct Clean Air Act Title VI (Stratospheric Ozone) review. Maintain inventory of all source emissions and potential-to-emit calculations. Report (annually) to NASA HQ on the phase out of ozone depleting substances (ODS) under Title VI of the Clean Air Act regarding Stratospheric Ozone Protection. Title VI of the Clean Air Act. See also Title 40 CCR Part 82.	Yes
Air	Report compliance data (diesel combustion engines) for the new Air Toxics Control Measure (ATCM) regulation. 17 CCR § 93115 and 93116	Yes
Air	Submit greenhouse gas emissions data and associated fees, as may be required by California Air Resources Board (CARB) and BAAQMD emerging requirements under AB 32, the Global Warming Solutions Act.	No
Air	Report on Chlorofluorocarbons (CFCs), and other chlorine- and bromine-containing compounds that may accelerate depletion of ozone in the Earth's stratosphere. CAA § 601-607, EPCRA Section 313, EO 12856, NPG 8820.3, and APR 8800.3 Chapter 2.	Yes
Air	Report releases to the environment emissions to regulatory agencies.	No; NASA as landowner normally remains obligated to report if operator does not. CA ANG requests NASA continue service.
Air	See Pollution Prevention (P2)	Yes
Air	Comply with Toxic Gas Storage Ordinance (compliance plan, fee, operating permit (Section B11-390), and/or closure plan (B11-391), Santa Clara County Toxic Gas	Yes

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	Ordinance - No. NS-517.44 (Note: CA ANG currently does not have toxic gases.)	
Air	Prepare and submit 2009 baseline report on status of retrofits and other steps taken to reach NO _x and PM 2.5 emissions targets for Agency owned or operated in-use, off-road diesel-fueled vehicles with engines with maximum power of 25 hp or greater, excluding vehicles operating less than 100 hrs/yr or used for agricultural or personal use. 13 CCR 2449	No; ANG/USAF must prepare separate report on its own fleets.
Archeological	Prepare annual Federal Archeological Report under the Archeological Resources Protection Act (43 CFR 7; 36 CFR 296; 32 CFR 229; 18 CFR 1312). Covers 8 reporting requirements, including LOOT report.	No
Archeological	Notify State Historic Preservation Officer of unanticipated discovery of archeological resources, and if human remains or funerary objects discovered, or looting or vandalism of historic or archeological resources. NHPA, ARPA and Native American Graves Protection and Repatriation Act.	No
Archeological	Issue permission to excavate archeological resources on Property. Archeological Resources Protection Act (ARPA).	No
Aboveground Storage Tank	File storage statement, pay fee to the State Water Resources Control Board, and implement measures to prevent spills. (State of California Aboveground Petroleum Storage Act of 1990) (CA ANG currently is below the reporting threshold)	Yes
Building Emergency Action Plan (BEAP)	See Hazardous Material Business Plan (HMBP).	No; ANG/USAF submits HMBPs directly to County, copy to NASA.
Clean Water Act	Federal Clean Water Act (CWA) §404 - Conduct wetlands delineations and re-verifications and obtain permits (as needed). Prepare Executive Order (EO) 11990 Wetlands and EO 11988 Flood Plain Management findings. See also NASA regulations at 14 CFR subpart 1216.2. Coordinate with US Fish and Wildlife Service (USFWS) when impacting a wetland. Fish and Wildlife Coordination Act. Note: NASA Ames including Moffett Field NAS contains approximately 250 acres of "jurisdictional" wetlands.	Yes
CWA	Obtain §402 CWA National Pollutant Discharge Elimination System (NPDES) permits as applicable (see Storm Water and Industrial Waste Water).	Yes; CA ANG has requested NASA continue services.
CWA	Obtain §401 CWA certification as applicable.	Yes
Coastal Zone Management Act	Issue 307(c)(1) & (2) Coastal Zone Management Act (CZMA) of 1972 consistency determination (consistency with State Coastal Zone Management Plan) for proposed Federally approved or assisted actions affecting coastal areas. 16 USC §1451 et. seq.	Yes

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Program	Description	Delegable to Leasee/ Operator Yes/ No
Drinking Water	Prepare and submit the Drinking Water (DW) permit application to CA Department of Public Health, including, but not limited to, an Operations Plan, a Backflow Prevention and Cross-connection Control plan, and a water quality monitoring plan. Pay permit fee. California Health and Safety Code, Division 104, Part 12, Chapter 4 (California Safe Drinking Water Act), Article 7, Section 116550.	Yes; CA ANG has requested NASA continue services.
Drinking Water	Prepare and submit routine sampling reports. 22 CCR Division 4, Chapter 15.	Yes; CA ANG has requested NASA continue services.
Drinking Water	Prepare and submit annual report on violations of primary drinking water regulations by the public water systems (PWS) in their state. Federal Safe Drinking Water Act (SDWA), California Safe Drinking Water Act (Calif. SDWA) Amendments of 1996.	Yes; CA ANG has requested NASA continue services.
Drinking Water	Prepare, distribute, and submit the Consumer Confidence Report to users. Health & Safety Code §116470.	Yes; CA ANG has requested NASA continue services.
Endangered Species Act	Implement Biological Opinion (BO) for 14 threatened and endangered species (T&E) issued in conjunction with the NADP PEIS and ROD (2002) and based on Biological Assessment (BA).	Yes; by reference to NADP PEIS & ROD in lease.
ESA, Bald and Golden Eagle Act, Migratory Bird Treaty Act, etc.	Report sick, injured and dead individuals of protected species to USFWS. Investigate cause, send carcasses to State wildlife necropsy lab, and report findings.	No; however, NASA coordinates with CA ANG in sending remains to the Smithsonian for species identification.
Energy	Conduct inventory and report on greenhouse gas (GHG) emissions under the Energy Policy Act of 1992 (Section 1605) and EO 13423.	Yes
Environmental Justice	Conduct periodic analyses and special studies, e.g., noise, under Center Environmental Justice Strategy (EO 12898); provide information to affected populations.	Yes; CA ANG to follow USAF Strategy and notify NASA of EJ issues and notifications.
Environmental Resources Document	Gather data, prepare, and maintain the Environmental Resources Document (ERD), a Center-wide document, required by NASA regulation 14 CFR subpart 1216.3 for each NASA Center.	No

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Program	Description	Delegable to Leasee/ Operator Yes/ No
EO 13423	Prepare and report on performance with Executive Order (E.O.) 13423, section 3(b) for various requirements, e.g., energy, water conservation.	Yes
FIFRA	Monitor pesticide applicators and pesticides applied. Under Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) section 8(b) applicators must demonstrate applicable permits and provide MSDS information to NASA Ames.	Yes

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Program	Description	Delegable to Leasee/ Operator Yes/ No
Haz Waste	Gather data, prepare and issue Hazardous Waste Generation Report for tenant generators.	Yes; CA ANG has requested NASA continue services.
Haz Waste	Maintain NASA Ames's EPA ID# CA1800005034 based on NAICS (North American Industrial Classification System) as a large quantity hazardous waste generator, permitting NASA to establish Satellite accumulation areas and 90-day accumulation areas. Tenant responsibility to resolve violations reported on USEPA ECHO database under this NASA's EPA ID# if the violations are a result of Tenant waste management practices.	Yes; CA ANG has requested NASA continue services.
Haz Waste	Prepare and submit permit applications to Santa Clara County Department of Environmental Health to establish and maintain hazardous waste accumulation areas. (Santa Clara County Hazardous Materials Storage Ordinance #B11-301) (Note: "Hazardous waste" is defined to be a "hazardous material" for purposes of this ordinance.)	Yes, if CA ANG obtains separate EPA ID#; CA ANG has requested NASA continue services.
Haz Waste	Prepare Annual California State Board of Equalization (BOE) hazardous waste generator fee return-Federal statement regulatory & Agency documents (www.boe.ca.gov).	Yes; CA ANG has requested NASA continue services.
Haz Waste	Prepare Biennial Report Even Number Year. All California hazardous waste facilities are required to submit the California Annual Facility Report under, Title 22 CCR, division 4.5, section 66264.75.	Yes; CA ANG has requested NASA continue services.
Haz Waste	Prepare Verification Questionnaire statements and submit to CA Department of Toxic Substances Control (DTSC) (annually). DTSC verifies the accuracy of information related to generators, transporters and facilities authorized to treat, dispose of, store, or recycle hazardous waste under Health and Safety Code section 25205.16.	Yes; CA ANG has requested NASA continue services.
Haz Waste	Prepare and/or update Hazardous Waste Contingency Plans (part of HMBP). Title 22 CCR	Yes; CA ANG has requested NASA continue services.
Haz Waste	Prepare Hazardous Waste Source Reduction Act (SB14) Plan. Submit progress report to California Department of Toxic Substances Control (DTSC) every four years.	Yes; CA ANG has requested NASA continue services.
Hazardous Material Business Plans	Prepare and maintain contingency plan known as Hazardous Material Business Plans (HMBP) for each building with hazardous materials (includes hazardous waste) storage (both occupied and unoccupied) to meet requirements under multiple legal	No; ANG/USAF prepares HMBP and submits

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Program	Description	Delegable to Leasee/ Operator Yes/ No																								
(HMBP)	authorities. Emergency Planning & Community Right-To-Know Act (EPCRA); 42 U.S.C. 11011 et seq. (1986) Regulation 40 CFR Chapter I, Subpart J– Superfund, Emergency Planning, and Community Right-To-Know Programs; Santa Clara County Hazardous Materials Storage Ordinance B11-301; H&S, Div. 20, Ch. 6.95, The County requires HMBPs and that the Landlord may request a copy of the Tenant’s HMBPs. (NASA Ames BEAPs also meet requirements under the Occupational Health and Safety Act for notifying employees of evacuation routes and alarms.)	initial and annual updates directly to County with copy to NASA.																								
Hazardous Material Inventory Statement (HMIS)	Prepare and submit Hazardous Materials Inventory Statement (HMIS) annually. Emergency Planning & Community Right-To-Know Act (EPCRA); 42 U.S.C. 11011 et seq. (1986) Regulation 40 CFR Chapter I, Subpart J– Superfund, Emergency Planning, and Community Right-To-Know Programs. (Santa Clara County Hazardous Materials Storage Ordinance B11-301(b)) (part of HMBP)	No; ANG/USAF submits to County as part of initial HMBP and then update HMIS and HMBP annually.																								
Hazardous Materials Management Plan (HMMP)	Prepare and submit long-term Hazardous Materials Management Plan (HMMP) (part of HMBP).	No, ANG/USAF submits to County as part of initial HMBP and then updates HMMP and HMBP annually.																								
Hazardous Materials	Prepare and submit permit applications to Santa Clara County Department of Environmental Health) to store hazardous material. (Santa Clara County Hazardous Materials Storage Ordinance B11-320)	No; ANG/USAF already prepares and submits initial and renewal permit applications directly to County.																								
Hazardous Materials	<p>NASA Ames includes NASA-owned fixed transformers within all areas in the NASA Ames permit obtained from Santa Clara County Department of Environmental Health. The 2007 transformer inventory:</p> <table border="1" data-bbox="396 1524 1146 1875"> <thead> <tr> <th>Bldg</th> <th>MSDS Trade Name</th> <th>Chem Name</th> <th>Quantity Stored (Gal)</th> </tr> </thead> <tbody> <tr> <td>484</td> <td>Transformer Oil</td> <td>Mineral Oil</td> <td>86</td> </tr> <tr> <td>650</td> <td>Transformer Oil</td> <td>Mineral Oil</td> <td>165</td> </tr> <tr> <td>653</td> <td>Transformer Oil</td> <td>Mineral Oil</td> <td>140</td> </tr> <tr> <td>654</td> <td>Transformer Oil</td> <td>Mineral Oil</td> <td>182</td> </tr> <tr> <td>656</td> <td>Transformer Oil</td> <td>Mineral Oil</td> <td>199</td> </tr> </tbody> </table>	Bldg	MSDS Trade Name	Chem Name	Quantity Stored (Gal)	484	Transformer Oil	Mineral Oil	86	650	Transformer Oil	Mineral Oil	165	653	Transformer Oil	Mineral Oil	140	654	Transformer Oil	Mineral Oil	182	656	Transformer Oil	Mineral Oil	199	No
Bldg	MSDS Trade Name	Chem Name	Quantity Stored (Gal)																							
484	Transformer Oil	Mineral Oil	86																							
650	Transformer Oil	Mineral Oil	165																							
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654	Transformer Oil	Mineral Oil	182																							
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Program	Description				Delegable to Leasee/ Operator Yes/ No
	662	Transformer Oil	Mineral Oil	370	
	669	Transformer Oil	Mineral Oil	142	
	680	Transformer Oil	Mineral Oil	100	
	681	Transformer Oil	Mineral Oil	100	
	683	Transformer Oil	Mineral Oil	100	
	684	Transformer Oil	Mineral Oil	300	

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Extremely Hazardous Substances (EHS) Report	Prepare and submit the Extremely Hazardous Substances (EHS) report to Santa Clara County, as required. H&S, Div. 20, Ch. 6.5, sec. 25531 et seq.; 40 CFR, Part 355, Appendix A (List of Extremely Hazardous Substances). (Santa Clara Hazardous Materials Storage Ordinance B11-280)	No, ANG/USAF submits directly to County as part of initial and updated HMBP.																																
Hazardous Materials	Report any unauthorized discharge (Santa Clara County Hazardous Materials Storage Ordinance Section B11-305.	Yes; CA ANG has requested NASA continue services.																																
Industrial Waste water (IWW)	Prepare & submit the industrial waste water permit application to the City of Sunnyvale POTW, annually. (No discrete permit number.) Maintain compliance with permit. Attend and respond to Sunnyvale Water Pollution Control Plant inspections. Sunnyvale Sewerage System (SMC 12.04.010 – 12.18.090) Includes updated list of Tenant additions, modifications, and removals of covered equipment or operations affecting NASA permit. (The remainder of the Center discharges to the City of Palo Alto POTW under permit #05101 under City of Palo Alto Sewer Use Ordinance 16.09.033(c).)	Yes; CA ANG has requested NASA continue services. CA ANG to notify NASA of changes.																																
IWW	<p>CA CANG industrial waste water activities included in aforementioned permit:</p> <table border="1" data-bbox="409 1050 1192 1684"> <thead> <tr> <th>Process Description</th> <th>Bldg</th> <th>Estimated Discharge (GPD)</th> <th>Estimated Discharge (Gal/Year)</th> </tr> </thead> <tbody> <tr> <td>P6-Vehicle Wash Rack</td> <td>146</td> <td>60</td> <td>21900</td> </tr> <tr> <td>Boiler Inventory</td> <td>146</td> <td>Not available</td> <td>Not available</td> </tr> <tr> <td>Boiler Inventory</td> <td>484</td> <td>Not available</td> <td>Not available</td> </tr> <tr> <td>P6-Vehicle Wash Rack</td> <td>684</td> <td>2</td> <td>730</td> </tr> <tr> <td>P4-Fluorescent Penetrant Dye</td> <td>662 Hanger 4, room 3</td> <td>5</td> <td>1325</td> </tr> <tr> <td>Other Discharges</td> <td>662 Hanger 4</td> <td>197</td> <td>72000</td> </tr> <tr> <td>P5-Aircraft wash rack*</td> <td>439, NE Hangar 3</td> <td>749</td> <td>76960</td> </tr> </tbody> </table> <p>* NASA Ames owns this washrack, therefore permits this feature.</p>	Process Description	Bldg	Estimated Discharge (GPD)	Estimated Discharge (Gal/Year)	P6-Vehicle Wash Rack	146	60	21900	Boiler Inventory	146	Not available	Not available	Boiler Inventory	484	Not available	Not available	P6-Vehicle Wash Rack	684	2	730	P4-Fluorescent Penetrant Dye	662 Hanger 4, room 3	5	1325	Other Discharges	662 Hanger 4	197	72000	P5-Aircraft wash rack*	439, NE Hangar 3	749	76960	Yes
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P5-Aircraft wash rack*	439, NE Hangar 3	749	76960																															
IWW	Conduct and report on excursion investigations, as required. Sunnyvale Sewerage System Sunnyvale Municipal Code (SMC) 12.04.010 – 12.18.090	Yes; CA ANG has requested NASA continue services.																																

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IWW	Prepare and submit Incidental Sewer Discharge requests, as required. Sunnyvale Sewerage System (SMC 12.04.010 – 12.18.090)	Yes; CA ANG has requested NASA continue services.
IWW	Report spills and releases to regulatory agencies as required. (Various authorities.)	Yes but NASA as owner still responsible for reporting if Tenant does not report. CA ANG has requested NASA continue services.
IWW	Provide training and report training records of individuals or operations generating industrial wastewater to City of Sunnyvale.	Yes; CA ANG has requested NASA continue services.
Migratory Birds	Prepare and submit Migratory Bird Treaty Act (MBTA) permit applications (various) to USFWS Migratory Bird Program Office.	Yes on cantonments.
Migratory Birds	Develop and implement Burrowing Owl Management Plan (established in NADP PEIS and ROD (2002)). See also EO 13186 - Responsibilities of Federal Agencies To Protect Migratory Birds .	Yes on cantonments; CA ANG to develop own BOMP in updating EA consistent with NADP ROD.
Migratory Birds	Report dead, injured or sick raptors to USFWS (MBTA, Bald and Golden Eagle Act). See also Endangered Species Act above.	No
Migratory Birds	Conduct annual Center-wide burrowing owl survey. NADP PEIS & ROD (2002)	Yes; CA ANG has requested NASA continue to conduct annual Center-wide burrowing owl surveys.
National Environmental Performance Track	Reapply for 3-year approval to voluntarily continue Center participation and obtain reduced USEPA inspection priority. Submit annual progress reports.	No, based on EPA ID# for hazmat; however, CA ANG will

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Program	Description	Delegable to Leasee/ Operator Yes/ No
		cooperate with NASA in furthering efforts to meet Center- wide goals.

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Program	Description	Delegable to Leasee/ Operator Yes/ No
NEPA	<p>Prepare environmental evaluation (e.g., checklist) and Record of Decision to determine whether proposed NASA funded or approved actions (including actions under proposed leases) are within scope of NASA categorical exclusions, <u>NASA Ames Development Plan (NADP) Programmatic Environmental Impact Statement (PEIS) and Record of Decision (ROD) (2002)</u>, including <u>Mitigation Monitoring and Implementation Plan (MMIP)</u>, incorporating by reference the 1997 California Air National Guard Master Plan Short Range Projects Final Environmental Assessment (EA) and Finding of No Significant Impact (FONSI), or other applicable existing NEPA documentation to which NASA is a party; or whether additional NEPA documentation is required to meet NASA NEPA regulations (14 CFR 1216.3; see also Council on Environmental Quality regulations (40 CFR parts 1500-1508 and guidance).</p>	<p>No. Tenant works with NASA proponent to prepare NASA Ames checklist for NASA to make initial determination (Record of Environmental Consideration) as to whether additional NASA NEPA documentation is required. CA ANG submits AF 813 forms to Ames in lieu of Center checklist, but NASA must prepare its own REC per 14 CFR 1216.305(e); no CEQ provision for adopting other agency's categorical exclusion. NASA may prepare blanket RECs for recurring or similar categorical exclusions. Lease issued under existing EIS incorporating CA ANG 1997 EA. If Tenant proposes action substantially outside scope of existing NASA NEPA documentation</p>

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		such that NASA must update, supplement, revise, or prepare new EA or EIS, Tenant must either modify action, prepare EA or EIS with NASA as a cooperating agency such that NASA can adopt according to NASA NEPA implementing procedures and CEQ regulations, or fund (demand service) NASA to prepare adequate EA or EIS.

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NEPA	Prepare and submit report on use of environmental conflict resolution techniques. EO 13352, Cooperative Conservation and the accompanying Memorandum on Environmental Conflict Resolution.	No.
NEPA	Prepare and submit Cooperating Agency report(s) (through NASA Environmental Tracking System (NETS)). Applies to NASA where NASA is the lead agency for an EA or EIS. (40 C.F.R. §§ 1501.6 & 1508.5). CEQ Memorandum to Heads of Federal Agencies: Reporting Cooperating Agencies in Implementing the Procedural Requirements of the National Environmental Policy Act , 23 December 2004	No; ANG/USAF, already report for EAs and EISs for which it is the lead agency.
NHPA	Programmatic Agreement (PA) and Reuse Guidelines developed under NHPA and based on cultural resources surveys, prepared in conjunction with NADP PEIS and ROD. Sec. 110, NHPA, and 36 CFR PART 800 – Protection of Historic Properties	No
P2	Prepare & submit Toxics Release Inventory report. Sec. 313 EPCRA; 40 CFR Part 372	Yes
P2	Prepare & submit annual Federal Electronics Challenge (FEC) report to US EPA. Participate as "Partners" in the program. The FEC supports efforts to continuously improve environmental stewardship of electronic assets government-wide, including: EO 13423, the Office of Management and Budget (OMB) Environmental Stewardship Scorecard, and the Federal Electronics Stewardship Working Group. EO 13423	Yes
P2	Prepare & submit Cathode Ray Tube materials handler report to CA Dept. of Toxic Substances (annually). CCR Title 22, division 4.5 and Public Resources Code Division 30, chapter 8.5 (CA ANG requested - Not driven by regulations)	Yes
P2	Prepare & submit annual Recycling and Affirmative Procurement report (through NASA Environmental Tracking System (NETS)) under section 6002 of the Resource Conservation and Recovery Act (RCRA) and EO 12873, "Federal Acquisition, Recycling, and Waste Prevention."	Yes
P2	Note: Only military installations are required to have Qualified Recycling Programs (QRP), however, NASA only requires some of the elements. CA ANG is proposing that NASA Ames creates the equivalent of a QRP so that CA ANG and the other resident military agencies can join together and achieve some cost savings. NASA Ames diverts waste from landfills and manages an on-site composting area for landscaping materials.	Yes
P2	Maximize the use of safe alternatives to Ozone Depleting Substances (ODS); compile chemical usage information; and report under EO 13423 Section VIII(B). ODSs include CFCs, HCFCs, halons, methyl bromide, carbon tetrachloride, and methyl chloroform.	Yes
P2	Prepare & submit P2 report to the County (biennially) (CA ANG requested - Not driven by regulations)	Yes
PCB	Prepare & submit PCB Annual Document Log and other related reports. Generators,	Yes, CA ANG

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	disposers, and storers of PCB waste must comply with the recordkeeping and reporting requirements including the annual document logs and the annual report, exception reports, manifest discrepancy reports, and unmanifested waste reports. 40 CFR Part 761.180	requests NASA continue to dispose of PCB hazardous waste.			
PCBs	Report releases to regulatory agencies.	Yes, but NASA as owner remains responsible for reporting if Tenant does not report. CA ANG requests NASA continue services.			
Wells	Obtain well permits from Santa Clara County Water District for proposed NASA well installation. Sign Tenant permit applications as the Landowner.	Yes, but NASA must sign permit applications as the landowner.			
Excavation	Issue determination (e.g., in reviewing Facilities Engineering permits (permissions)) whether proposed excavation is in a known area of contamination and advise on training and PPE requirements.	No.			
SPCC	Prepare & submit Spill Prevention Control and Countermeasures Plan (SPCC) Plan to the USEPA. 40 CFR 112	Yes; CA ANG requests NASA continue services.			
SPCC	Transformers* located in CA ANG areas:			Yes; CA ANG requests NASA continue services	
	Bldg	Number	# of Transformers		Capacity (gallons)
	653	T-89	1		140
	654	T-74-M	1		182
	656	T-76-M	1		199
	662	T-166-M	2		370
	662	T-80-M			165
	669	T-75-M	1		142
	680	T-85-M	1		100

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	681	T-83-M	1	100	
	683	T-84-M	1	100	
	684	T-61	1	150	
	684	T-94	1	150	
	484	T-64	1	86	
Note * - Although, transformers are considered oil-filled operational equipment NASA Ames includes them in the SPCC plan.					

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Program	Description	Delegable to Leasee/ Operator Yes/ No																												
SPCC	<p>Generators located in CA ANG areas:</p> <table border="1" data-bbox="402 464 1265 863"> <thead> <tr> <th>Bldg</th> <th>Number</th> <th>Fuel Type</th> <th>Capacity (gallons)</th> </tr> </thead> <tbody> <tr> <td>650</td> <td>TK-650</td> <td>Diesel</td> <td>150</td> </tr> <tr> <td>653</td> <td>TK-653</td> <td>Diesel</td> <td>150</td> </tr> <tr> <td>656</td> <td>TK-656</td> <td>Diesel</td> <td>75</td> </tr> <tr> <td>662</td> <td>TK-662-1</td> <td>Diesel</td> <td>75</td> </tr> <tr> <td>679</td> <td>TK-679</td> <td>Diesel</td> <td>75</td> </tr> <tr> <td>680</td> <td>TK-680</td> <td>Diesel</td> <td>75</td> </tr> </tbody> </table> <p>Oil Water separators located in CA ANG areas: Transportation Garage (Building 146), Hangar 4 (Building 662), and CA ANG-Ground Support Equipment (Building 684). Note: CA ANG currently owns or operates aircraft and vehicles and has exclusive responsibility for maintaining 3 oil-water separators.</p> <p>NASA Ames owned Oil-Water Separator located at Bldg. 439 (Hangar 3) that supports the wash rack. CA ANG also uses this wash rack's oil-water separator.</p> <p>Note: NASA Ames includes these generators in the SPCC plan.</p>	Bldg	Number	Fuel Type	Capacity (gallons)	650	TK-650	Diesel	150	653	TK-653	Diesel	150	656	TK-656	Diesel	75	662	TK-662-1	Diesel	75	679	TK-679	Diesel	75	680	TK-680	Diesel	75	Yes; CA ANG requests NASA continue service.
Bldg	Number	Fuel Type	Capacity (gallons)																											
650	TK-650	Diesel	150																											
653	TK-653	Diesel	150																											
656	TK-656	Diesel	75																											
662	TK-662-1	Diesel	75																											
679	TK-679	Diesel	75																											
680	TK-680	Diesel	75																											
SPCC	Provide training and submit training records to regulatory agencies. 40 CFR 112.7(f)	Yes; CA ANG requests NASA continue service.																												
SPCC	Maintain and make available to NASA and regulatory agencies spill logs at each applicable facility. (Santa Clara County Hazardous Materials Ordinance B11-305(a)(1)(a))	Yes; each Tenant or facility manager maintains spill logs.																												
SWPP	Comply with NPDES General Permit Number CAS000001 for industrial activities to address water pollution from storm water discharges. 40 CFR Parts 9, 122, 123, and 124.	Yes; CA ANG requests NASA continue service.																												
SWPP	<p>NPDES permit issued industrial activities:</p> <table border="1" data-bbox="402 1568 1265 1873"> <thead> <tr> <th>General Permit No.</th> <th>Waste Discharge Identification No.</th> <th>Type of Discharge</th> </tr> </thead> <tbody> <tr> <td>CAS000001</td> <td>2 43I011003</td> <td>Airfield Discing Project II North Runway</td> </tr> <tr> <td>CAS000002</td> <td>2 43C347547</td> <td>Raise elevation & regrade of NASA Golf Course at Moffett Field</td> </tr> <tr> <td>CAS000002</td> <td>2 43C344730</td> <td>Airfield Discing Project</td> </tr> </tbody> </table>	General Permit No.	Waste Discharge Identification No.	Type of Discharge	CAS000001	2 43I011003	Airfield Discing Project II North Runway	CAS000002	2 43C347547	Raise elevation & regrade of NASA Golf Course at Moffett Field	CAS000002	2 43C344730	Airfield Discing Project	Yes; CA ANG requests NASA continue service.																
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Program	Description	Delegable to Leasee/ Operator Yes/ No																								
	<p>CA ANG industrial activities covered by this permit:</p> <ul style="list-style-type: none"> • B47 - Hanger 3, Aircraft Maintenance and Defueling • B146 - Transportation Garage • B361 - Vehicle Ready Fuel Storage • B679 - CANG HAZMAT Storage • B662 - CANG Maintenance Hanger • B650 - CANG Aircraft Maintenance 																									
SWPP	Comply with NPDES General Permit Number CAS000004 – small MS4. NPDES - Regulations for Revision of the Water Pollution Control Program Addressing Storm Water Discharges (Federal Register, Volume 64, Number 235, pages 68722-68852) on December 8, 1999 as required by Section 402(p) of the CWA. (CA ANG is also subject to this regulation since they discharge to a small MS4.)	Yes; CA ANG requests NASA continue service.																								
SWPP	Comply with NPDES General Permit Number CAG912003 – treated groundwater	Yes; CA ANG requests NASA continue service.																								
SWPP	Comply with NPDES General Permit No. CAS000002 - qualifying construction projects. Prepare & submit National Pollutant Discharge Elimination System Permit Application for qualifying construction activities. NPDES - Regulations for Revision of the Water Pollution Control Program Addressing Storm Water Discharges (Federal Register, Volume 64, Number 235, pages 68722-68852) on December 8, 1999 as required by Section 402(p) of the CWA (CA ANG is also subject to this regulation)	Yes; CA ANG requests NASA continue service.																								
SWPP	<p>Existing NPDES permits issued for qualifying construction activities:</p> <table border="1" data-bbox="396 1150 1192 1667"> <thead> <tr> <th data-bbox="396 1150 548 1283">General Permit Number</th> <th data-bbox="548 1150 695 1283">Waste Discharge Identification Number</th> <th data-bbox="695 1150 980 1283">Project Name</th> <th data-bbox="980 1150 1192 1283">Notes</th> </tr> </thead> <tbody> <tr> <td data-bbox="396 1283 548 1388">CAS000002</td> <td data-bbox="548 1283 695 1388">2 43C350767</td> <td data-bbox="695 1283 980 1388">Airfield Discing Project II N. Runway</td> <td data-bbox="980 1283 1192 1388">Notice Of Termination (NOT) July 2008.</td> </tr> <tr> <td data-bbox="396 1388 548 1472">CAS000002</td> <td data-bbox="548 1388 695 1472">2 43C347547</td> <td data-bbox="695 1388 980 1472">Raise Elevation & Re Grade of Moffett Golf Course</td> <td data-bbox="980 1388 1192 1472">Annual Compliance submitted July 2008</td> </tr> <tr> <td data-bbox="396 1472 548 1556">CAS000002</td> <td data-bbox="548 1472 695 1556">2 43C344730</td> <td data-bbox="695 1472 980 1556">Airfield Discing Project</td> <td data-bbox="980 1472 1192 1556"></td> </tr> <tr> <td data-bbox="396 1556 548 1608"></td> <td data-bbox="548 1556 695 1608"></td> <td data-bbox="695 1556 980 1608"></td> <td data-bbox="980 1556 1192 1608"></td> </tr> <tr> <td data-bbox="396 1608 548 1667"></td> <td data-bbox="548 1608 695 1667"></td> <td data-bbox="695 1608 980 1667"></td> <td data-bbox="980 1608 1192 1667"></td> </tr> </tbody> </table>	General Permit Number	Waste Discharge Identification Number	Project Name	Notes	CAS000002	2 43C350767	Airfield Discing Project II N. Runway	Notice Of Termination (NOT) July 2008.	CAS000002	2 43C347547	Raise Elevation & Re Grade of Moffett Golf Course	Annual Compliance submitted July 2008	CAS000002	2 43C344730	Airfield Discing Project										Yes; CA ANG requests NASA continue service.
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Program	Description	Delegable to Leasee/ Operator Yes/ No
SWPP	Prepare and update Storm Water Pollution Prevention Plan (SWPPP).	Yes; CA ANG requests NASA continue service.
SWPP	Provide training to personnel and project managers whose operations can affect storm water quality, and make training records available to NASA and regulatory agencies.	Yes; CA ANG requests NASA continue training.
SWPP	Prepare & submit the SWARM and the Supplemental Storm Water Annual Report to Regional Water Quality Control Board (annually). As a part of the NPDES permit requirements, an annual report is required by the State of California Regional Water Quality Control Board.	Yes; CA ANG requests NASA continue service.
SWPP	Report spills and releases to the environment to regulatory agencies.	Yes but NASA as owner remains responsible for report if operator does not. CA ANG requests NASA continue service.