



LANGLEY POLICY DIRECTIVE

LAPD 8500.1D

Effective Date: 8/21/2022
Expiration Date: 8/21/2027

Responsible Office: Environmental Management Office (EMO), Center Operations Directorate

Subject: Langley Environmental and Energy Management

1. POLICY

- a. It is Langley Research Center (Langley) policy to protect and enhance the quality of the environment through compliance with Federal, State, and local regulatory authorities; Executive Orders; and NASA and Langley policies and directives. Located in the ecologically sensitive Chesapeake Bay watershed, Langley is committed to fulfilling our mission in a manner that promotes environmental stewardship, sustainability, and continual improvement, while mitigating environmentally driven mission risks.
- b. Langley utilizes the Environmental Management System (EMS) approach as documented in NASA Procedural Requirement (NPR) 8553.1, "NASA Environmental Management System," to identify, prioritize, and address Langley's most significant environmental risks as well as opportunities for enhancing long-term environmental sustainability. Langley's EMS:
 - (1) incorporates people, procedures, and work practices in a formal structure;
 - (2) promotes continual improvement, including periodic evaluation of environmental and energy performance;
 - (3) involves all appropriate Center organizations; and
 - (4) actively involves senior management in support of the environmental and energy management programs.
- c. This policy directive is intended to be consistent with, and incorporates by reference, the Agency environmental policy dictated by NASA Policy Directive (NPD) 8500.1, "NASA Environmental Management."

2. APPLICABILITY

- a. This policy applies to all Langley personnel, contractors, subcontractors, and tenants within the geographical boundaries of Langley, excluding the Hampton/NASA Steam Plant operated by the City of Hampton per documented agreement terms.
- b. In this directive, all document citations are assumed to be the latest version unless otherwise noted.

3. AUTHORITY

- a. NPD 8500.1, "NASA Environmental Management"
- b. NPR 8510.1, "NASA Cultural Resources Management"
- c. NPR 8530.1, "NASA Sustainable Acquisition"

- d. NPR 8553.1, "NASA Environmental Management System"
- e. NPR 8570.1, "NASA Energy and Water Management Program"
- f. NPR 8580.1, "Implementing the National Environmental Policy Act and Executive Order 12114"
- g. NPR 8590.1, "Environmental Compliance and Restoration Program"

4. APPLICABLE DOCUMENTS

- a. LAPD 1150.2, "Councils, Boards, Panels, Committees, Teams, and Groups"
- b. LPR 8500.1, "Environmental and Energy Program Manual"
- c. LMS-CP-8530, "Langley Research Center Facility Multi-Media Environmental Audit Process"
- d. LF 243, "Appointment of Facility Environmental Coordinator(s) (FEC)"
- e. LF 342, "Environmental Finding Tracking Form"
- f. LF 461, "Environmental Project Planning Form"

5. RESPONSIBILITY

a. The Center Director is responsible for:

In addition to the responsibilities listed in paragraph 5(d) of NPD 8500.1,

- (1) Providing support and oversight of the environmental and energy management programs, including EMS and implementation of sustainable practices.
- (2) Designating an Environmental Manager, an Energy/Water Manager, a Center National Environmental Policy Act (NEPA) Manager, and a Cultural Resources Manager for the Center and ensuring that the Langley environmental program has sufficient and qualified staff and the necessary resources to implement environmental initiatives, conservation projects, and sustainable practices.
- (3) Oversight of evaluating Center operations through functional reviews, performance metrics, or other means to ascertain that appropriate environmental compliance and management techniques are used for environmental programs, projects, facilities, systems, and operations.

b. The Environmental Management Sponsor is responsible for:

- (1) Acting as the Center's senior management proponent for Langley's environmental and energy programs, including EMS and implementation of sustainable practices.
- (2) Acting as the liaison between EMO and the Center's senior management.
- (3) Evaluating Center operations through functional reviews, performance metrics, or other means to ascertain that appropriate environmental compliance and management techniques are used for environmental programs, projects, facilities, systems, and operations.

c. Organizational Directors are responsible for:

In addition to the responsibilities listed in paragraph 5(f) of NPD 8500.1,

- (1) Ensuring facilities and operations within the Organizational Directorate are compliant with applicable environmental regulations and requirements of LPR 8500.1, "Environmental and Energy Program Manual."
- (2) Assigning representatives to environmental committees and panels at Langley in accordance with LAPD 1150.2.
- (3) Initiating and implementing activities to improve energy and water efficiency and implementing sustainable practices.
- (4) Ensuring that environmental noncompliance issues within the Organizational Directorate are corrected per LMS-CP-8530, including reviewing and approving the LF 342 for noncompliance findings.
- (5) Appointing a Facility Environmental Coordinator (FEC) for each facility/function within the Organizational Directorate, utilizing LF 243.
- (6) Ensuring EMO receives information associated with environmental data calls in a timely manner.

d. EMO is responsible for:

- (1) Management of Langley's environmental compliance, management, and sustainability programs, which involves formal contact with environmental regulatory agencies and stakeholders; compliance monitoring, inspections, and audits; policy and guidance development; outreach and training; project/contract reviews; data collection and documentation; and reporting to regulatory authorities, the public, NASA Headquarters, and Center management.
- (2) Ensuring the resolution of environmental noncompliance findings identified during audits/inspections conducted by Federal, State, or local regulatory authorities; NASA Headquarters; or Langley. If a Notice of Violation, Notice of Noncompliance, Notice of Deficiency, Warning Letter, or similar notice is issued on account of the actions or inactions of Center personnel or organizations, EMO personnel shall work with the responsible party to ensure correction of the immediate noncompliance finding, evaluation of the root cause, and effective corrective actions to prevent a recurrence. As necessary, EMO will elevate the environmental issue or noncompliance finding to appropriate Center management to ensure appropriate corrective action and resolution.
- (3) Notifying the NASA Headquarters Environmental Management Division immediately upon receipt of a Notice of Violation from an external regulatory agency.
- (4) Evaluating Center operations through functional reviews, performance metrics, or other means to ascertain that appropriate environmental compliance and management techniques are used for environmental programs, projects, facilities, systems, and operations.
- (5) Making recommendations to Organizational Directorates for improving energy and water efficiency and implementing sustainable practices.

e. Facility Environmental Coordinators (FECs) are responsible for:

- (1) Ensuring that the assigned facility is operated in accordance with applicable regulations and requirements as outlined in LPR 8500.1, "Environmental and Energy Program Manual."
- (2) Attending annual FEC training and Waste Management/Spill Response training provided by EMO.
- (3) Notifying EMO of known, suspected, or potential environmental issues and acting as necessary to correct and prevent the recurrence of environmental problems.

f. Program and Project Managers are responsible for:

- (1) Coordinating with EMO early in the project planning process with Langley Form (LF) 461 submittals and ensuring that requirements are satisfied for proposed new or modified programs or projects, including scheduling and budgeting for consultation and mitigation.
- (2) Updating LF 461s with pertinent information if project scope or requirements change.
- (3) Implementing environmental, energy conservation, and sustainability policies and requirements within programs and projects including life cycle planning, development, implementation, and disposition activities.
- (4) Ensuring EMO receives required contract submittals for review and approval in a timely manner.

g. Langley Employees and Contractors (as outlined in the Contract Clauses and Statement of Work) are responsible for:

- (1) Complying with applicable environmental regulations, Langley's environmental and energy policy, and the requirements of LPR 8500.1, "Environmental and Energy Program Manual."
- (2) Helping to achieve Langley environmental objectives and targets applicable to their organizational level.
- (3) Incorporating this environmental policy into the earliest stages of program and project planning, budgeting, and implementation.
- (4) Notifying EMO of environmental concerns or issues.

6. DELEGATION OF AUTHORITY

The Environmental Manager is delegated the authority to sign permit applications, reports to regulatory agencies, and other correspondence not specifically required by law or regulation to be signed by the Center Director. The Environmental Manager is also delegated cease and desist authority for any operations which, in the professional judgment of the environmental staff, have an immediate and negative impact on the environment or the Center's ability to comply with permit requirements or appropriate environmental laws and regulations. The Environmental Manager will notify the appropriate Langley manager of such orders. For operations conducted by contractors, the Environmental Manager will notify the Contracting Officer (CO) so that the CO can immediately issue the order to the contractor.

7. MEASUREMENT/VERIFICATION

[date]

LAPD 8500.1D

Most environmental and energy regulations include specific requirements to assess compliance. These requirements are monitored internally, externally by regulatory agencies and through NASA Headquarters Environmental and Energy Functional Reviews to ensure compliance with the relevant laws. Langley's internal metrics for environmental and energy management cover compliance, restoration, and conservation measures to meet reporting requirements of NASA Headquarters and other external oversight organizations.

CANCELLATION

LAPD 8500.1, "Langley Environmental and Energy Management," dated February 6, 2015.

Clayton P. Turner
Center Director

Date

Original signed on file

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