



AF Life Cycle Management Center



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EMS and USAF Industrial Facilities



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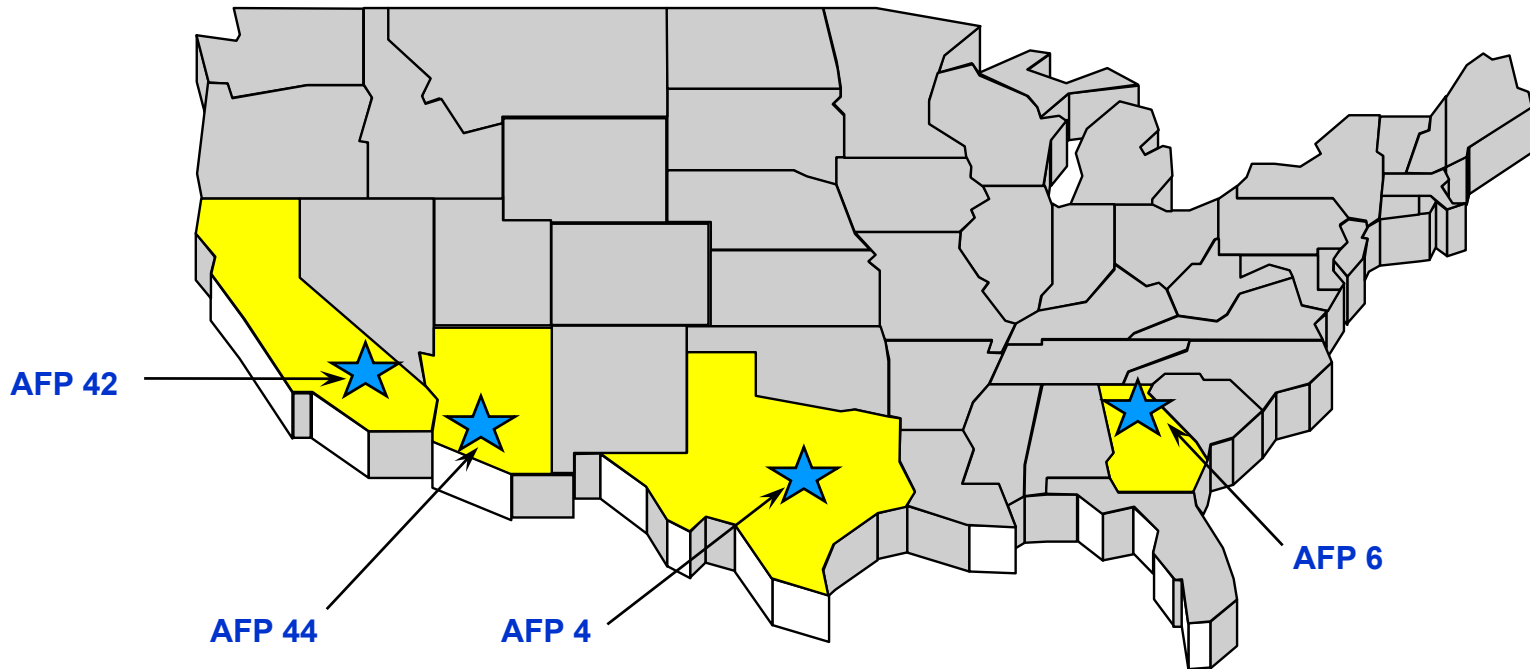
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U.S. Air Force Industrial Plants



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Current Air Force Plants

AFP 4, Ft Worth TX – Lockheed Martin
AFP 6, Marietta GA – Lockheed Martin
AFP 42, Palmdale CA – Lockheed Martin, Boeing, & Northrop-Grumman
AFP 44, Tucson AZ – Raytheon

WW II & Cold War Era Plants

8,500 acres, >18M sq feet of buildings
One airfield (AFP42) w/ two 12k ft runways
Support numerous critical weapon systems
B-2, F-22, F-35, C-130J, Global Hawk, missiles, other/classified programs
Production, development, & sustainment
100% Government business base
~\$18B per year





USAF Government-Owned, Contractor-Operated Plants Management

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- **Department of Defense assigned the Undersecretary of Defense (Acquisition, Technology, & Logistics) and Component Secretaries to manage the Industrial Base**
- **Headquarters Air Force assigned USAF Industrial Plants to Secretary of the Air Force, Acquisition (SAF/AQ), Industrial Base portfolio**
- **SAF/AQ delegated authority to AF Materiel Command, who executes through the AF Life Cycle Management Center's Acquisition Environmental and Industrial Facilities Division**



AF Policy Directive 32-70



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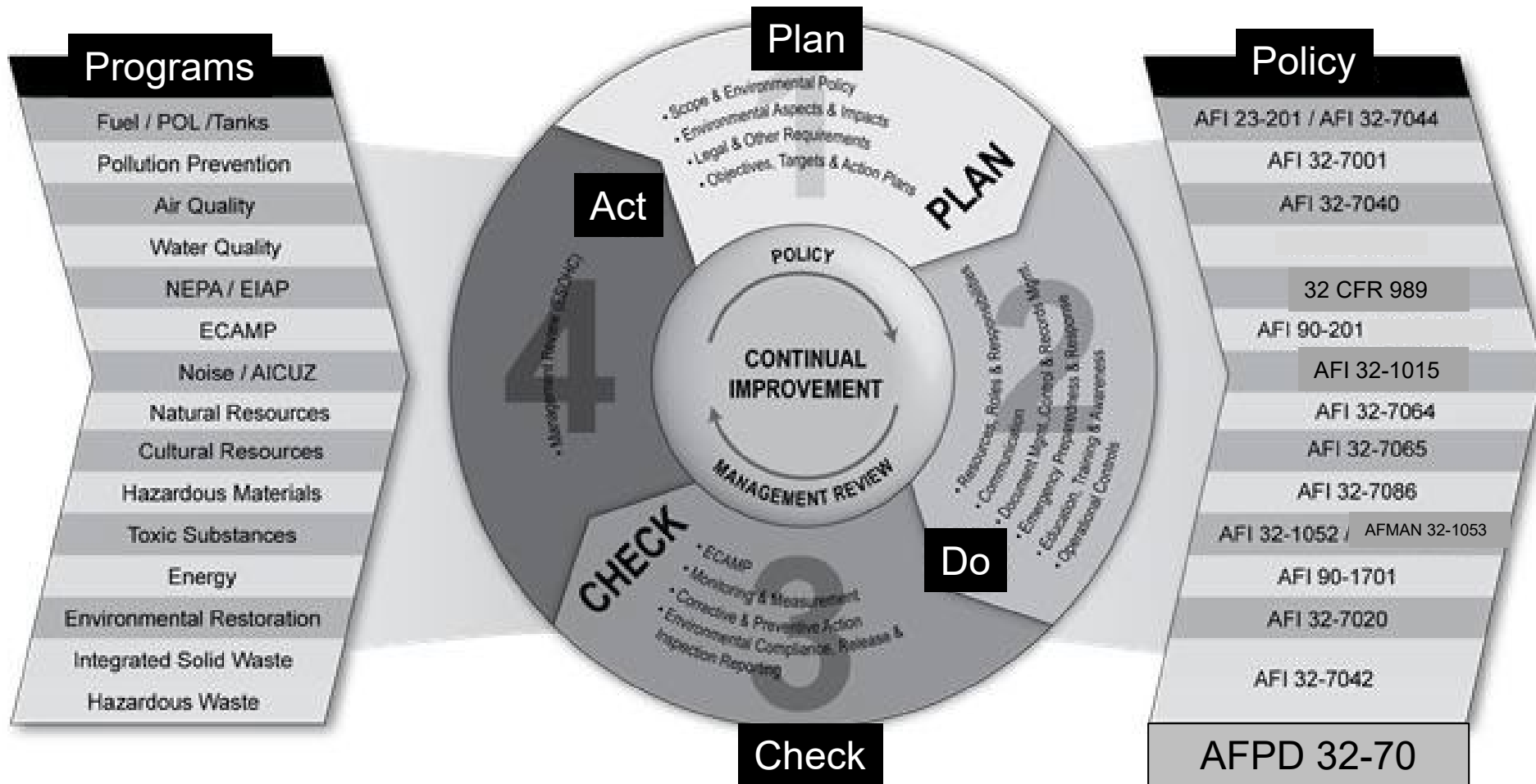
- **Comply with all applicable federal, state, and local environmental laws, regulations, rules, standards, Executive Orders, DoD and Air Force policy, and legally binding agreements including statutorily mandated or authorized documents such as environmental permits, judicial decrees, and consent or environmental compliance agreements.**
- **Reduce risk and conserve natural resources by eliminating, reducing, and/or managing environmental impacts and risks; consider pollution prevention and waste minimization opportunities for Air Force activities and processes to the greatest extent practicable; and provide environmental stewardship of natural and cultural resources.**
- **Continuously improve processes and mission related programs to make sound environmental management a fundamental consideration in all Air Force activities. To this end, organizations will establish and maintain an EMS that conforms to the International Organization for Standardization (ISO) 14001 standard at all appropriate facilities and/or organizations worldwide, including installations; Government-owned, contractor-operated facilities.**
 - **Caveat: DoD is not mandated to certify non-DoD parties to ISO 14000; we use an AF audit system outside of the appropriate facility command structure to conduct EMS audits and compliance inspections every 2-3 years consistent with ISO standards**



AF EMS Vision



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Sample IG “MICT” Checklist Item

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Description	Reference	Assessment Notes
Does the Acquisition Environmental & Industrial Facilities Division fulfill "owner" obligations under DoD, AF, other federal, state, and local laws and regulations for all Air Force Industrial Plants?	DoDI 4715.6; AFI 63-101 / 20-101 ch. 12	Yes. Artifacts include semiannual AF Industrial Plants permits and inspection data submitted to the AF Civil Engineer Center

IG MICT = Inspector General Management Internal Control Toolset



Environmental Compliance

MICT

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Title	Workcenter	Score	# of Items	% Compliance	Open Observations
Environmental Compliance	EZVC Compliance	C	26	92%	2

Checklist completed 29 May 2019

Natural Resources Management Plan for AF Plants 42 and 44 approved in FY18 program to protect endangered species; ECD Dec 2019

Water Vulnerability Assessment updates have not been occurring annually as prescribed by AFI 32-1067 and AFMAN 10-246 by LM Aero (all plants) and the OL... two ESOHCAMP findings and one programmatic issue. Fix TBD



US Army Corps
of Engineers®
Engineer Research and
Development Center



The Environmental Assessment and Management (TEAM) Guide

Donna J. Schell

and

David M. Sperry

September 2013

Revised June 2019

TEAM GUIDE CONTENTS AND UNDERLYING INTENT

...based on Federal environmental regulations ... to be supplemented

... serve as the primary tool in conducting an environmental compliance assessment.

Specifically, this guide:

1. compiles applicable Federal regulations with facility operations and activities
2. synthesizes environmental regulations, management practices (MPs), and risk management issues into consistent and easy to use checklists
3. serves as an aid in the assessment process and management action development phases of Federal agency environmental assessment programs.



Sample TEAM Guide

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REGULATORY REQMT:

SQGS, HW.30
Containers

HW.30.4. Containers of hazardous waste at SQGs must be closed during storage and handled in a safe manner (40 CFR 262.34(d)(2) and 265.173).

REVIEWER CHECKS:

Verify that containers are closed, except when it is necessary to add or remove waste
(check bungs on drums).

Verify that handling and storage practices do not cause damage to the containers or cause them to leak.



Benefits of Approach

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- **Problems found before regulators**
- **Highlights EMS and compliance findings, good and bad**
- **Crossfeed opportunities to improve**