



**Naval Air Systems Command P-8A Poseidon ESOH Team**  
**FY2013 CNO Environmental Awards**  
**Environmental Excellence in Weapon System Acquisition - Large Program**



## **Narrative Summary**

Program Manager Air (PMA)-290 manages all Maritime Patrol and Reconnaissance Aircraft including the P-3C Orion, P-3 Special Projects Aircraft, the EP-3E, and the P-8A Poseidon (P-8A). The P-8A is an Acquisition Category 1D Program proceeding towards a Full-Rate Production Decision Review in Fiscal Year 2014. The P-8A Environment, Safety and Occupational Health (ESOH) Team is comprised of a multidisciplinary group of professionals from Naval Air Systems Command, P-8A Fleet Support Team, and Boeing that employs innovative, highly effective strategies to inherent challenges of fielding a new platform. The Team excelled to develop, initiate, and incorporate principles of ESOH compliance and sound environmental stewardship practices into all aspects of the acquisition life-cycle. The P-8A ESOH Team worked diligently to identify and track hazardous materials (HAZMAT); ensure compliance and reduce total ownership costs; and support successful P-8A training and deployment. The Team actively participated in planning for environmental compliance with relevant Federal laws, policies, and regulations while ensuring Program test schedules and requirements were met without delay. The Team identified new environmental initiatives that will continue to balance protection of the environment with safeguarding military readiness. ESOH activities were coordinated with various internal and external stakeholders, bringing together a versatile team of professionals with subject matter expertise in Chemical Engineering, Materials Science, HAZMAT Management, Environmental/Biological Science, and Department of Defense Acquisition and Policy to minimize risks, reduce costs, and ensure ESOH considerations were integrated into the systems engineering process. P-8A ESOH Team accomplishments include the following:

- A multidisciplinary Integrated Product Team developed the P-8A HAZMAT Authorized Use List (HMAUL) under an aggressive schedule to produce scheduled and unscheduled maintenance HAZMAT stocking levels using lessons learned at Patrol Squadron (VP)-30 and Naval Air Station, Patuxent River. The HMAUL was delivered July 2013 to VP-16, the first P-8A transition squadron planned to deploy December 2013 to Okinawa, Japan.
- An HMAUL template has been developed for future deployments (i.e., VP-5 and VP-45). A concise inventory will afford the United States (U.S.) Navy a life-time cost savings for reduced material removal/hazardous waste management due to expired chemicals and/or unused excess.
- Thorough, dynamic methods of HAZMAT tracking, using the P-8A platform as a prototype, have benefited more than the PMA-290 Program. Lessons learned from the P-8A approach to HAZMAT characterization are currently being leveraged in development of mechanisms for reporting for the Air Force Tanker Program and subsequently, the U.S. Navy P-8A development program partners.
- A pilot program, Lookout Kit (LOOK), was initiated to equip P-8A Lookouts with additional onboard resources during underwater sound/explosive testing events. LOOKs contain detailed information to assist in accurately identifying and recording the presence of biological resources in accordance with Federal law, consequently reducing PMA-290 ESOH risks associated with cost, schedule, and potential P-8A testing impacts.