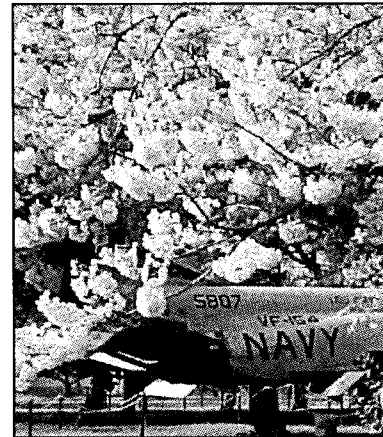


**Environmental Quality – Overseas Installation
Secretary of Defense/Chief of Naval Operations
U.S. NAVAL AIR FACILITY ATSUGI JAPAN
Fiscal Year 2004**

INTRODUCTION

NAF Atsugi, Japan has a unique mission as the only base to support an entire carrier air wing (six aircraft types) – the Navy’s only forward-deployed air wing, Carrier Air Wing FIVE (CVW 5). NAF Atsugi operates jointly with the Japan Maritime Self Defense Force (JMSDF), and works daily to foster good relations and friendship with the host nation. NAF Atsugi provides facilities, services, and material to support the mission of over 100 aircraft and 40 tenant commands, including two of the Navy’s largest repair facilities in the Western Pacific, Naval Air Pacific Repair Activity (NAPRA) and Aircraft Intermediate Maintenance Detachment (AIMD).



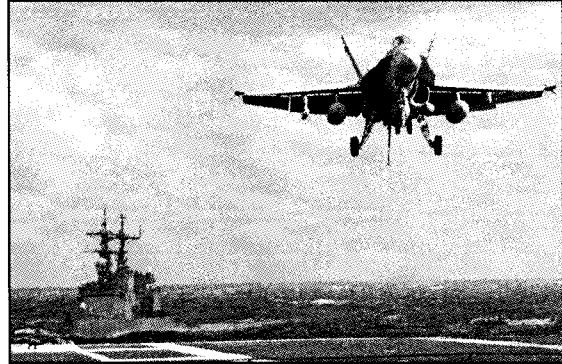
NAF Atsugi is host to 9,000 military and civilian personnel (and family members), including 2,000 Japanese military and civilians. The joint use arrangement with JMSDF makes Atsugi a truly international military facility. The arrangement is a successful one from both operational and quality of life perspectives.

NAF Atsugi and associated facilities reside on a total of 1,250 acres of land. Associated facilities include Naval Support Facility (NSF) Kamiseya, Tomioka Storage Area, Naval Radio Transmitting Facility Totsuka, and the Kisarazu Auxiliary Landing Field. NAF Atsugi is located in the most highly developed, urbanized, and industrialized portion of Japan, within 25 miles of both the world famous Mount Fuji and Tokyo. Approximately 1,800,000 people live within a three-mile radius of the base! The U.S. Military installations of Yokosuka, Yokota, and Camp Zama are all within a 20-mile radius of NAF Atsugi, allowing the command to work together with nearby installations to share valuable resources and lessons learned. NAF Atsugi is the largest employer in Ayase city.

The Tade River, a major water source for agricultural irrigation, enters NAF Atsugi at the north end and exits at the south end. With the flight line on one side of the river and the Nature Trail on the other, a unique situation is created requiring proactive environmental practices to protect the Tade River from pollution from all sources. Because wetlands are uncommon in Atsugi’s urban setting, the Tade River Basin also serves as a valuable bird habitat and contains many species of plants that are not found outside the installation. As the surrounding population and industry continue to grow, NAF Atsugi will continue to take the necessary proactive measures to ensure sustainability.

BACKGROUND

The environmental team consists of four U.S. environmental professionals, five Japanese Master Labor Contract employees, and one active duty military. This team manages all environmental programs under the myriad requirements of Japan Environmental Governing Standards (JEGS), a combination of U.S. and Japanese environmental laws, installation rights, Status of Forces Agreements, and other international agreements that are frequently updated as agreed upon by Commander, U.S. Forces, Japan and the Government of Japan (GOJ). The environmental team also champions pollution prevention, the Environmental Management System (EMS), and Automated Information System responsibilities.



NAF Atsugi's unique mission presents many challenges. Personnel loading fluctuates by the thousands, due to the frequent deployments of CVW 5 squadrons aboard the aircraft carrier USS KITTY HAWK and to other Pacific Rim locations. This challenge is met with intense coordination between the environmental team and the squadrons. The environmental team's ability to efficiently disseminate information on storage, disposal, and recycling of hazardous waste in support of the mission has produced enviable results. An example of the coordination and teamwork between the installation and CVW 5 occurred during FY03 and FY04, when the installation's war fighters were deployed. The current JEGS require weekly hazardous material inspections to ensure compliance; therefore, to meet this requirement the NAF Atsugi Environmental Team conducted the inspections of the squadrons' shore detachment verifying compliance. The large number and variety of aircraft generates a multitude of hazardous waste streams. The arrival of the F/A-18 Super Hornet introduced more streams with which to contend. The NAF Atsugi environmental team conquered this challenge with constant communication and understanding of aircraft operations and the waste streams they generate.

A major change over the award period was NAF Atsugi's transition from environmental compliance to environmental performance with the implementation of our EMS. Atsugi's environmental team worked with departments, tenant commands, and shops to determine root causes of Environmental Quality Assessment (EQA) findings in a combined effort to quickly resolve one-time deficiencies and to permanently correct repeat and systemic findings. Atsugi corrected over 40 EQA findings during the award period, using EMS as the primary tool for success. The Environmental Office teamed with the Occupational Safety and Health Office to minimize hazardous waste through Hazardous Material Control and Management (HMC&M). NAF Atsugi established an HMC&M Board that produced tremendous results - hazardous waste quantities were reduced by 35 percent in just one year. The Environmental Office also formed a Solid Waste Action Team to address ways to more aggressively promote and encourage waste separation and increase recycling. The results were significant as we saw an increase in our solid waste diversion rate from 39 to 52 percent during the award period.

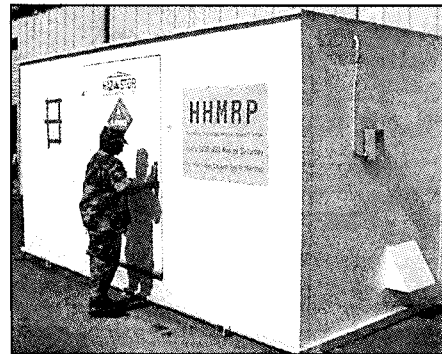
PROGRAM SUMMARY

The objective of our environmental management program is to ensure that natural resources and military operations are fully integrated in an effort to achieve sustainability. NAF Atsugi resources, such as the Tade River Forest, prosper today because of the installation's presence. The Tade River Basin provides a home to a variety of plants, trees, birds, and animals. NAF Atsugi recognizes the need for sustainability, which is why significant environmental aspects are managed to support and be consistent with the mission.



Some outstanding features of the environmental program during the award period were the ability to minimize waste and operate more cost effectively. NAF Atsugi reduced solid and hazardous waste disposal cost and increased recycling numbers by aggressively implementing new recycling processes. The new NAF Atsugi Recycle Center opened this year as part of the installation's Earth Week. The Recycle Center is operated by the Supply Department in a joint effort with the Environmental Office.

NAF Atsugi successfully operates a Household Hazardous Material Reuse Program (HHMRP). The program was expanded during the award period to include a satellite HHMRP at NSF Kamiseya and a capability to accept Japanese products. The HHMRP eliminates hazardous products from entering the waste stream, resulting in large solid and hazardous waste disposal cost savings. This program is particularly important and useful to personnel arriving to and departing from NAF Atsugi, since departing employees and family members can drop off products for newly arriving personnel to pick up for free. In just one year the program has doubled in use.



The environmental team increased household hazardous waste turn-in items, including kerosene, used oil, and small batteries for all employees and family members on the installation. This newly implemented procedure keeps hazardous items out of the solid waste stream and prevents improper disposal that can lead to environmental and safety hazards. Our program was used as a model by nearby Air Force and Army personnel to start similar programs at nearby installations.

ACCOMPLISHMENTS

Water Pollution Control – Proactive efforts were put forth in FY04 to protect water quality at NAF Atsugi, such as:

Drinking Water Protection - NAF Atsugi is a vanguard in protection and maintenance of the water distribution supply. Atsugi continues to provide safe drinking water from groundwater wells to all employees and family members on the installation. During the award period NAF Atsugi constructed monitoring wells along the north fence to provide early warning of hazards to the wellheads from intrusion via groundwater. A Water Vulnerability Assessment was awarded in FY03. NAF Atsugi performed the assessment in FY04.

Wastewater – The environmental team implemented an aggressive domestic and industrial wastewater-monitoring program that quickly identifies problems in small sewer plants, so that repairs can be quickly accomplished. As a result, Atsugi's effluent water quality is excellent. NAF Atsugi safeguarded water by investing in a new aircraft wash facility as well as a design criteria package for replacement of six "package" sewage treatment plants at the main treatment facility with one modern plant.

Water Conservation - The installation of two closed loop water recycling wash systems for two major tenant commands, AIMD and NAPRA, conserved approximately 375,000 gallons of water last year. They also increased water quality in the Tade River and reduced labor costs by 14,000 dollars per year.

Spill Prevention - During FY03, Atsugi expedited the award of four contracts totaling 863,855 dollars for the installation, removal, and replacement of above ground storage tanks with innovative double-wall hazard-rated tanks under the installation Spill Prevention Control and Countermeasures (SPCC) Program. The construction work was completed in FY04, resulting in the installation of nine new tanks with innovative systems that ensure SPCC measures are in place.

Spill Response – NAF Atsugi provides unique spill response services to the flight line, which is shared by both U.S. and Japanese aircraft. Spill Response and hazardous waste training are conducted in both Japanese and English by NAF Atsugi personnel. Atsugi's unique international setting requires signs and publications in English and Japanese. The environmental team maintains the capability to provide bilingual flyers, instructions, and literature to base personnel and their families. NAF Atsugi implemented a unique spill training program. Two teams consisting of Seabees were established to respond independently or jointly. The spill response manager and the spill response operations team leader use their knowledge and skills acquired to plan and conduct training for all possible installation specific spill scenarios. This saves Atsugi over 10,000 dollars annually in training costs and ensures effective joint training for efficient spill response.

Air Pollution Control - The air emission testing at NAF Atsugi shows consistent results well below action levels over the past two years. The annual air emissions testing contract was renegotiated due to a discovery of an alternate testing method that uses a Fuel Sulfur Content certification. This new method has saved the government more than 30,000 dollars per year.

Geographical Information Systems – The environmental team participates with the region and the NAF Atsugi Public Works Engineering Team to provide and share information in the Regional Shore Installation Management System (RSIMS) Database. A complete and accurate

asbestos database was created from existing asbestos data that is available on RSIMS. The database expedites the process of verifying asbestos content in building components, thus creating an efficient way of ensuring worker and building occupant safety. The database is available to all personnel who have access to the Internet.



Waste Management and Resource Recovery - NAF Atsugi takes many proactive steps to reduce costs through minimization of solid and hazardous waste generation while at the same time fully supporting our forward-deployed tenants. Some of the most significant achievements during FY03 and FY04 were:

Solid Waste Minimization - During the award period, Atsugi saved 19,200 dollars in solid waste disposal cost. The command also increased the amount of material recycled from 39 percent of the solid waste stream two years ago to a staggering 52 percent in FY04. This was accomplished by rewriting the solid

waste contract specifications and awarding a new solid waste contract. With the dedicated efforts of Environmental and Supply personnel, NAF Atsugi constructed and opened its recycle center in April FY04 to facilitate recycling by base personnel and their families. The environmental office continues to provide professional consultation on recycling matters.

Hazardous Waste Management – In FY03 the environmental team created an NAF Atsugi-unique hazardous waste management system. The hazardous waste management system allows a full spectrum look at hazardous waste operations at NAF Atsugi to identify hazardous waste reductions. During FY04, hazardous waste quantities generated at NAF Atsugi were reduced by 35 percent, equating to approximately 22,000 dollars in hazardous waste disposal savings annually. The Field Activity Support and Technology Transfer (FASTT) Team praised the hazardous waste management system during their recent visit to NAF Atsugi.

The NAF Atsugi team created the Hazardous Waste Accumulation Point (HWAP) Tips flyers. The HWAP Tips were developed to provide HWAP site managers up to date information on proper disposal methods and spill response procedures, recycling and hazardous waste minimization opportunities, training requirements, course offerings, pollution prevention equipment, EMS updates, and more. The flyers are disseminated in bilingual format at all HWAPs during monthly internal assessments of command activities. The flyers were lauded by CNFJ during their external EQA inspection of NAF Atsugi. The flyers can also be used by other installations to disseminate important information to hazardous waste accumulation point and storage managers. During the award period, the Environmental Office trained and educated over 150 users on how to use and properly dispose of hazardous materials.

Hazardous Waste Minimization – A no-cost recycle oil contract was awarded that has saved NAF Atsugi over 12,000 dollars in hazardous waste disposal costs. The contract includes pick up of all petroleum-based products such as used oil, diesel fuel and JP-5. The contractor vacuums the accumulated petroleum products from reusable drums, saving packaging and drum disposal costs. The contractor delivers the recyclable petroleum products to his refinery where it is processed for reuse.

Five new hazardous waste lockers were procured (at a value of 50,000 dollars) through the centralized Pollution Prevention Equipment Program. Two of the lockers were used for the HHMRP to meet the large increase in users. In addition to the HHMRP, the environmental office expanded services to include collection of kerosene. Residents can turn in kerosene to the environmental office where it is picked up by a recycle contractor at no cost.

PCBs - Working closely with DRMO Sagami Depot, NAF Atsugi eliminated its entire stored inventory of PCBs. All PCB items were packaged, documented, and crated by the environmental team. Disposing of on-hand PCB items saved approximately 60,000 dollars in storage, inspection, and management costs over the next three years and also released Atsugi from the liability assumed in storing PCBs. NAF Atsugi took an aggressive position on PCB transformer replacement, targeting an additional 6,000 pounds of aging PCB transformers to be removed and replaced with non-PCB transformers.

Community – NAF Atsugi is making smart use of its resources, partnering with surrounding military installations, the Government of Japan, surrounding communities, and local universities to building stronger host nation relationships. Atsugi extended annual Earth Day celebrations into an “Earth Week” celebration this year. The environmental team, with the involvement, cooperation, and support of base leadership, organized the Earth Week activities that included a tree planting ceremony at the elementary school, a base-wide cleanup, and a nature trail restoration project.



NAF Atsugi promoted community outreach. During the award period, the environmental team educated over 3,000 personnel and family members at the Area Orientation Brief. At the weekly brief, a member of the environmental team presents the environmental program and the Japan recycling requirements to new arrivals. The presentation also discusses the importance of sustainability and environmental services offered at NAF Atsugi, such as the new Recycling Center, the Nature Trail, the Toner-Cartridge Turn-in Program, and the Household Hazardous Materials Reuse Program.

NAF Atsugi works with surrounding communities to provide an economically sound working relationship and a lasting friendship. NAF Atsugi held its Second Annual Energy Fair this year. The environmental team hosted a recycling booth with the Yamato City Environmental Center. Japanese school children, contractors, civilians, and military personnel were able to stop by and learn about ways they can save energy by recycling. NAF Atsugi also worked recently with the Local Farmers Association to foster partnerships that enable the shared use of agricultural land on NSF Kamiseya. NAF Atsugi further strengthened its ties with the Local Farmers Associations by hosting a tour of USS KITTY HAWK.

