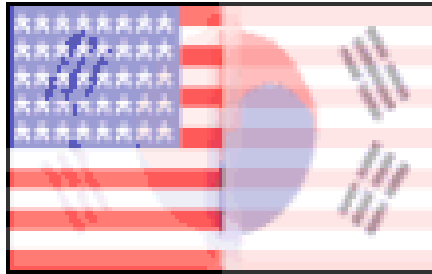




FY04 Year in Review

US Army Corps
Of Engineers
Far East District



From the Far East District Commander

TO OUR VALUED PARTNERS AND STAKEHOLDERS:

FY04 was another exciting year in Korea for the Far East District (FED) and our partners and stakeholders. We finished construction on major projects and awarded over \$160 Million in new construction contracts for MILCON, Host Nation, NAF, and O&M projects. These new facilities represent improvements in quality of life and war fighting capability for our soldiers, sailors, airmen, marines, and all other members of the USFK family. In FY04, we completed the new Yongsan Overpass Bridge ahead of schedule and turned over new Family Housing Towers at Yongsan South Post. At Cp Humphreys, we started construction of new family housing facilities as well as a new barracks project. FED began upgrades to an exiting Community Activity Center and Youth Center in Taegu. Additionally, we completed many barracks upgrades in the Cp Casey Enclave. At Osan AB, we finished a new Officers Dormitory and four Hardened Aircraft Shelters. And at Kunsan AB, we completed construction on a new Commissary as well as a new Fitness Center. We also started construction on several major projects at Cp Mujuk for the Marine Corps.



Due to possible troop relocations being discussed in the Future of the Alliance Negotiations (FOTA), we expect a large increase in projects in the next few years with an expedited schedule due to the relocation of projects from closing Installations. We will continue to position ourselves to be ready to respond to additional requirement resulting from the FOTA agreements by developing standard designs, site adapts, innovative contracting tools and reaching back to Corps of Engineers resources at other Districts and Centers of Expertise.

We initiated the development of a Comprehensive Cp Humphreys Master Plan that will support moves resulting from the Land Partnership Plan and the FOTA agreements. This Master Plan includes utilities analyses, flood studies, environmental assessments, infrastructure and siting of facilities. The District also continued the improvement of an Army-wide Geographic Information System for KORO with facility management and master planning applications.

FED supported the Global War on Terror by deploying District personnel to Iraq and Afghanistan to rebuild critical infrastructure and provide humanitarian assistance. We also deployed to U.S. natural disaster recovery missions including the Florida hurricane disaster recovery.

In FY04, the U.S. Army Corps of Engineers (USACE) underwent a transformation that will better meet the needs of our customers and stakeholders. This transformation is known as USACE 2012 and includes processes that help us better execute projects by integrating us with our team members from HQUSACE and the Pacific Ocean Division. This transformation also enables us to reach out and obtain assistance and lessons learned from a repository of knowledge and technical expertise known as Communities of Practice. We successfully passed our surveillance audit from the International Standards Organization (ISO), which recognizes that FED's quality management system continues to meet the ISO 9001:2000 standard. This achievement represents FED's commitment to delivering quality products and services to our customers.

As always, we continue to strive for excellence and remain committed to supporting the command through the coming challenges and future opportunities. Essayons!

JANICE L. DOMBI
COL, EN
Commanding

Area I Projects

Camp Hovey 200- PN Barracks, Battalion Headquarters, Brigade HQ



This project consists of two 200 PN barracks, two Company Operations building, two Battalion HQ buildings, and a Brigade HQ building, all featuring the FY02 standard design, site-adapted. Two soldiers occupy each living quarters, each have a bath and 2 closets. Barracks include TA 50 lockers and common facilities on each floor, mudroom and laundry (1st), kitchen/dining area (2nd), lounge (3rd), and game room

(4th). The Brigade HQ, BN HQ and Company Operations buildings are modern and spacious. The buildings have a multi-media conference rooms, classrooms, crypto vault, and an elevator.

Barracks Upgrade Program (BUP), Casey Enclave

The Barracks Upgrade Program (BUP) has been one of the most successful programs in the Casey Enclave in the past three years. A large number of aging barracks buildings (17) were completely renovated under this program. The barracks are fully in compliance with modern Army standards for troop housing. The last building was completed near the end of FY04.



Yongsan / Area II Projects

Vehicle Overpass, Yongsan



This highly visible project consists of a two-lane vehicle overpass across Itaewon Road at Yongsan Garrison to connect Main and South Posts. The overpass is 40 meters in length and has facilities for bicycle and pedestrian traffic. It is capable of carrying vehicles as large as commercial buses. The overpass was opened to traffic ahead of schedule on 31 Dec 03. The remainder of the work at the ground level gate was completed in March 04. Total cost of the overpass was \$10.3 million. Additional work to provide a vehicle search area was awarded in Oct 04 with completion scheduled before the winter season.

121 Hospital Renewal Program

The purpose for this construction program is to correct life safety deficiencies, comply with Joint Commission on Accreditation of Healthcare Organizations (JCAHO) standards, improve the functional layout, provide for AT/FP and provide a state of the art facility for beneficiary population throughout the peninsula. Phase 1, awarded in June 2001, is a \$35 million dollar MILCON addition to the existing hospital and a \$1.25 million O&M alteration of two departments in the existing hospital. The



addition includes new facilities such as, Central Utility Plant, Family Practice and Internal Medicine Ambulatory Care Clinic, Command Suite and Hospital Administration Department joined by a Medical Mall; a Mental Health Clinic; Chapel and Chaplain Services Department, Dining Facility and Nutrition Care Clinic, Housekeeping, Logistics and Biomedical Maintenance Facility, Patient Administration Department, Central Materiel Services, Four Operating Rooms, a Pre-op, Post Anesthesia Care Unit, Intensive Care Unit, Endoscopy/Cystoscopy Clinic, Outpatient Surgery Clinic, and shell for a Barber Shop and AAFES Shoppette. Estimated completion for the addition is Feb 2005. The alteration includes converting the existing Central Material Services into an Oral Surgery Clinic and the temporary Main Entrance and adjacent administrative offices into a side entrance and south end of the Medical Mall. Estimated completion of the Medical Mall and Oral Surgery is April 2005. An additional temporary building will be erected to house part of the Pathology Department's General Laboratory Services until completion of that department's renovation. Estimated completion of the ER/Pathology Transition Space is May 2005. Upon completion of the transition space and the departments' relocation, the reminder of the facility will be renovated in four stages during the next two phases with estimated completion in 2009. Work also resumed this year on the Bio-



Safety Level 3 Laboratory site development. This is a \$384,000 O&M construction project, being performed under a JOC contract to prepare a foundation and site work for a modular laboratory. The modular laboratory is being purchased under separate contract by the Medical Command, manufactured off-site and delivered to the site to be erected by the manufacturer. Due to the limited space and critical timing, the construction coordination of the temporary pathology laboratory and new addition were essential to the project's completion.

Multi-Story Family Housing (60 Units), Yongsan

The first design-build contract for new construction in Korea consists of 60 family housing dwelling units in two – five story apartment buildings for field grade, company grade, warrant and senior non-commissioned officers. The two apartment buildings, named Burke Towers, consist of 2 five-bedroom units, 18 four-bedroom units, and 40 three-bedroom units ranging from 1628 - 1995 net square feet.

Each unit has its own hot water system, heating and air conditioning system (heat pumps), and CATV and telephone system in all rooms. Units are fully furnished to include ranges, dishwashers, clothes washer/dryers and furniture. Four elevators service the individual buildings. 60 Primary parking spaces are located below the two buildings for residents parking. In addition, 71 secondary underground parking spaces are provided for visitors. Supporting facilities include a tot lot, playground, basketball and volleyball court, BBQ deck and landscaping with lighted walkways. Construction was completed in June 04 with occupants moving into the building in July 04. Total construction cost of this design-build family housing project is \$25 Million.



Whole Barracks Renewal, Yongsan



This project consists of the construction of a 252 person (modified 2 + 2), 5 story, un-accompanied enlisted personnel barracks. Each unit consists of a living/ sleeping room with closets and a semi-private bath. Common area includes two elevators, kitchen, storage area, laundry room, lounge, mud room, weight and activity rooms. The building is equipped with fire protection, central heating and cooling system, CATV and telephone connections. Project commenced in October 2002 and was completed in June 2004, a month ahead of schedule. The construction cost is \$8.5 Million.

Renovation of Building S-2372, Yongsan

This renovation project of the G-1 Headquarters building which will accommodate the G-1 and 8th Army Chief of Staff was awarded in FY02. The construction work was progressing well until funding was cut back by Congress for the separate energy saving mechanical system (Geothermal). In July 04 a contract modification was issued for a Geothermal Heat Pump system to be designed and installed by the contractor. The completely renovated building is now expected to be ready by the end of January 2005.



CY04 MOCT, Relocate H-208 helipad, Yongsan



Two separate Indefinite Delivery Indefinite Quantity (IDIQ) contracts were awarded to demolish/clean existing facilities and site to provide space for the new helipad that will be located at current Ministry of National Defense (MND) tennis court. First phase construction contract was awarded on 15 October 2004 with completion date of 30 November 2005. However, the helipad must be completed to facilitate the first landing of a helicopter by 1 May 2005. Design of second phase is currently about 30% complete with scheduled completion of early December 2004.

K-16 Community Activities Center

Late December 2003 saw the award of this split funded (NAF & ROKFC) project to construct a four story 56,476 SF facility (three above ground and one below ground) at K-16. The \$10.9 million Community Activities Center (CAC) building includes a Chapel, installation library, consolidated organizational classrooms, Army Community Services (ACS) administrative offices, Red Cross administrative offices, community bank, food court and dining area, bowling center. The construction started in mid February 2004 and is scheduled for completion by February 2006.



CP TANGO – C4I Harding.



This MCA project was awarded in late September 2003 to construct hardened communication facilities at CP TANGO. These facilities will replace the Satellite Communications (SATCOM) building, communication lines, and tactical communication vehicle parking spaces. Communication connections for the building are also to be hardened. The construction is required so that SATCOM facility and existing tactical communications will survive enemy and terrorist attacks. Actual construction started in early February 04 with clearing of site and rock excavations. Completion of this \$ 11.8 million facility is scheduled for early February 2006.

Camp Humphreys Projects

Construct New Commissary



The ground breaking ceremony was held and construction started on this 21,000 SF commissary. This new facility will increase the sales area of the old commissary by over 400%. Some of the improvements include an increased merchandise display area, check out area with electronic checkout registers, receiving area, loading dock, meat & produce preparation areas and cold & frozen storage units. The new facility is located adjacent to the existing commissary and centrally located on the

installation's "downtown" community support area. Construction completion is scheduled for June 2005.

Army Family Housing Phases 2, 3 and Underground Parking Structure

Construction of Phase 2 family housing and a ROKFC funded underground parking structure were on-going throughout FY04. In March 2004, FED started construction of the Phase 3 family housing tower and the complete relocation of the AFN transmitter building and AM and FM antennas. Both phases of family housing consist of 8-story 48 unit structures that include 32 3-bedroom units and 16 4-bedroom units. The construction completion of Phase 2 is scheduled for January 2006 with Phase 3 completion in May 2007. The 2-story underground parking structure tucks in between the family housings structures, and has 230 spaces for Phases 1, 2 and 3.



Whole Barracks Renewal



The ground breaking ceremony was held and construction started in FY04 on two 6 story 204 personnel barracks with an 800 person dining facility in the middle. The project includes a communication switch building which is scheduled for completion by October 2004. The contract also includes the final phase of the conversion of the Camp Humphreys electrical distribution upgrade from an overhead to an underground system. The project is schedule for completion in August 2007.

Osan & Kunsan Projects

Osan Unaccompanied Officer Personnel Housing

This is a four-story, sixty-nine room officers' dormitory, MILCON project. The living quarter modules consist of individual bed rooms, living rooms with kitchens and bathrooms. Also included in the building are three lounges and one laundry room. The building has the latest in technology with Collective Protection System (CPS) for protecting the personnel in the event of chemical and biological attack. The construction of the Dorm began in February 2002 and completed in June 2004 at a cost of \$9.0 M.



Osan Aircraft Shelters Phases 1 & 2



These CDIP projects were the first in many years to provide four new Hardened Aircraft Shelters (HAS) to Osan AB. Also, these were the first HAS to have the Aqueous Fire Fighting Foam (AFFF) fire protection and suppression systems. This \$14M project was completed by the same contractor. Phase I and Phase II were awarded for construction by the Ministry of National Defense (MND), Republic of Korea (ROK) and were completed in September 2004.

Osan Patriot Vehicle Maintenance Facility

This \$4.0M CDIP project is to construct a vehicle maintenance facility for the Army Patriot batteries. This new facility was constructed with a pile foundation, reinforced concrete floor, CMU walls and a sheet metal roof. It's equipped with a fire detection & suppression system, HVAC system and other supporting amenities. The contract was awarded by MND and construction started in November 2002. Project was completed in September 2004.



Kunsan Physical Fitness Center/Health and Wellness Clinic



Central Construction Co., Ltd. completed construction of the new \$11.0 Million gymnasium at Kunsan AB. The two story 59,800 SF physical fitness center facility includes reception area, indoor running track, two basketball courts, locker rooms, weight room, aerobics room, training rooms (Health and Wellness Clinic), and rock climbing wall. Beneficial Occupancy Date was on 17 September, 2004 for the new facility and demolition of the old gymnasium began on 22 September, 2004. Construction of the new outdoor multi-purpose court is scheduled to be completed in December 2004.

Kunsan Preload Munitions Storage Igloos

This FY00 KOSOVO Supplemental MILCON project provides total of 30 each Air Force standard munitions storage igloos. This project provides 20 single door igloos (Phase 1) and 10 drive-thru igloos (Phase 2). Phase I was completed and turned over in April 2004 and Phase II was completed in September 2004. Each igloo consists of concrete pile foundation, reinforced concrete floor slab, pre-cast wall and roof panels, metal doors, earth berm, lightning protection system, and intrusion detection system (IDS). The contract value of this project was \$17.9 M.



Kunsan New Commissary



A new commissary was completed on Kunsan AB in May, 2004. This project was designed by Cromwell Architects and Engineers, constructed by Shinsaegye Construction Company, and project management by Kunsan Resident Office. The 15,000 SF facility was a welcomed addition to the base and has provided soldiers with a much broader selection of food choices as well as an improved shopping environment. The new facility includes modern refrigeration units with a computerized monitoring system, ample shelving space, five checkout stands, dairy and meat storage, fruit and vegetable

storage and processing area, office space, and a stimulating architectural décor. The project was completed on time within one and a half years at a cost of \$5 million.

Taegu Area (Southern Resident Office)

FY03 Barracks, Camp Henry

This project is the construction of a new 232-person four story 2+2 barracks. Each unit consists of a living/ sleeping room with closets and semi-private baths for unaccompanied enlisted personnel. Common areas include kitchen, 3 storage areas, laundry room, lounge, mudroom and multipurpose room. The building is equipped with fire protection, central heating and cooling system, CATV and telephone connections. Project commenced in February 2003 and completion is December 2004 with a construction cost of \$8.0 Million.



Community Activity Center and Youth Center, Camp Walker



The project provides upgrades to the existing Community Activity Center (CAC) and an addition to the existing Youth Center. The CAC project is to upgrade and modernize the 18,000SF building to support a variety of recreation uses and meet the enhanced program requirements. This two-story building has recreation facilities on the main floor and a small library on the second floor. The Youth Center project is to construct an addition to the existing Youth Center in order to provide activity and storage space to the Middle School and Teen activity programs. Both facilities will consist of a multipurpose space, TV room and

lounge area, computer lab, and music room. Shared spaces include male/ female locker rooms, latrines and showers. Project commenced in April 2004 and estimated completion is April 2005. The construction cost is \$3.2 Million.

FY03 OMN, Replacement SCIF Bldg, Chinhae, Korea

This \$760,000 project is a 2-story Sensitive Compartmented Information Facilities (SCIF) building. The new facility is approximately 2,600 square feet, located on the site of a previously demolished building. The building is concrete framed with EIFS over concrete walls and is accented by glazed cement roof tiles. It includes an entry and waiting area, offices, conference room, communication room, and other utility rooms, and is equipped with central heating and AC system. Project commenced in September 2003 and completed in September 2004.



Construct New Water Storage & Distribution System, CNFK Detachment, Pohang, Korea



This \$1.3 Million project is the construction of a new 30,000-gallon above ground, epoxy lined steel potable water tank at the same location of an existing 6,000-gallon water storage tank. It includes a total of 1,200 lineal feet of new 6-inch PVC water distribution pipes to connect the new storage tank to the existing water distribution system after demolition of the existing 6,000-gallon water storage tank structure. Project commenced in August 2003 and is estimated to be complete by December 2004.

CY98 CDIP, Tri-Service Multi-use Hangar, Pohang Navy Base, Korea

This project is to provide sufficient space and support capacity for helicopter maintenance operations. The new facility provides a weatherproof structure that will allow removal and replacement of the rotor head, aircraft engines, and rotor blades. It will also support Tanker Airlift Control Element (TALCE) operations in a weatherproof condition. The new building is approximately 24,000 square feet, and faces the taxiway and runway of the Pohang Airport. Project commenced in October 2002 and completed in August 2004. The construction cost is \$32 Million.



Contingency Operations and Readiness

During the year, the Security, Plans & Operations Office (a.k.a. EMO) served as the center of gravity for increasing the District's readiness posture. As the office name implies, the support to the District, to POD and to USACE included a plethora of security and readiness missions and reached across the full spectrum of contingency operations. Through this period of increased security, operational uncertainty and high operational tempo (OPTEMPO) the SP&O supported our "Maneuver District" as it successfully stayed the course in supporting USFK as the DoD design and construction agent.

The uncertainty came in the terms of having one of the most formidable military forces in the world only a few miles north making continued incursions into the South and in the terms of the US coalition being in a constant state of strategic, operational and physical transition. The increased OPTEMPO hit the District in the form of providing personnel to support OEF in Afghanistan and Iraq as well as providing personnel to support civil disaster recovery operations in the Eastern United States and the Pacific. None of the amplified security, force protection or operational pace interfered with the District's ability to increase readiness, execute daily operations, or add to our operational knowledge base (be a learning organization).

The District continued to use the theater JCS exercise program to improve individual and team readiness, hone mission execution capability and show case USACE's Field Force Engineering

(FFE) doctrine. Individual and collective skills were sharpened through a comprehensive training program that included using centers of expertise instructors to teach such subjects as Contingency Master Base Camp Development, the Area Route Reconnaissance Kit, Security Engineering, Tele-Engineer Tool Set and the Theater Construction Management System. Under the Emergency/ Mission Essential Civil program the District provided individual readiness and survival skill training to employees through a decentralized ‘train the trainer’ program.

During the RSO&I and UFL-04 exercises, FED continued to field a Forward Engineer Support Team -Main (FEST-M) to support CFC/ USFK exercise selected aspects of OPLAN 5027. FED leveraged the full capabilities of the District, the Division and USACE to provide contingency engineer designs and services. Using a wide array of communications reach back capability the District was able to support CFC and all MSC across the peninsula. The SP&O and IMO successful increased and upgraded the secure and non-secure systems such as GCCS-K, GSSC-J and Tele-Engineering. The increased capability allowed our two FEST-A and seven LNO teams to provide better and more rapid support to our customers.

Not only did the District increase overall readiness through comprehensive training and communications upgrades but we also improved operational planning through detailed analysis of our contingency missions. Planning is one the pillars of readiness and planning for the outbreak of hostilities is a continuous and challenging mission as the coalition reviews and revives theater strategic policy. The District must be able to execute two critical early missions in the advent of war, the first being noncombatant evacuation operations (NEO) and the second being the transition to war.

During the year all US FED employees participated in two theater level NEO exercises and thirty-two primary and alternate NEO Wardens participated in training, maintained NEO Warden Battle Books and rendered monthly NEO reports. A milestone in the operational planning occurred with the first ever District Rock Drill. The District S3 (LTC Tom Brady) conducted a detailed step-by-step contingency mission analysis with District Division supervisors. They analyzed and coordinated all early phase transition to war tasks required to successively evacuate noncombatants, mobilize assets and posture the District to support USFK during war. Through a rigorous and professional training program, a collaborative District planning process and the integration of communications/ ADP systems with theater capability the District continued to learn and increase readiness capability. The District SP&O thanks the volunteers of OEF/OIF, civil disaster relief operations and JCS/NEO exercises. While maintaining operational readiness is not an easy or popular task the expertise and lessons learned continued to show case the District’s capability, professionalism and relevance. There were many heroes during the year that assisted in the planning, preparation and execution of our contingency mission and all deserve praise, but some gold and silver stars stood out:

Far East District Heroes

GOLD STAR

Yong Kim (Iraq)	Mark Cunningham (Iraq)
Jimmie Moore (Iraq)	Woody Barger (Iraq)
Larry Shockley (Iraq)	Gloria Martinez (Iraq)
Doshin Park (Iraq)	Marsha Smith (Iraq)
Phillip Hamilton (Iraq)	Eugenio Bultedaob (Afghanistan)
MAJ Don Ollar (Afghanistan)	Sam Volkman (Afghanistan)

Far East District Heroes

SILVER STAR

Al Fong (Hurricane Jeanne)
 SSG Rodger Johnson (Hurricane Jeanne)
 Ho Kwon (Hurricane Jeanne)
 Chong Pak (Hurricane Jeanne)
 Kon Yi (Hurricane Jeanne)
 Myong Yi (Hurricane Jeanne)
 Rodger Smith (Hurricane Jeanne)

MND Exchange Program

The Far East District and the Republic of Korea (ROK), Ministry of National Defense-Defense Installation Agency (MND DIA) have worked as partners for many years and the relationship is valued by both sides. In order to maintain and improve the relationship, Far East District sponsors an annual exchange training program with MND. The training is 6 weeks in duration and it introduces MND engineers (both military and civilian) how the U.S Army Corps of Engineers and FED are organized and how projects are managed by FED. This annual training program is valuable training for MND engineers and the competition is high for admittance. FED introduces the MND engineers how FED manages its projects by cycling them to each District division/branch, including field project offices. The District believes this program is one of the reasons why the Combined Defense Improvement Projects (CDIP) construction quality continues to improve each year. The FY04 training was held from 3 Nov – 12 Dec 2003 for eleven MND engineers and FY05 training is scheduled 8 Nov -17 Dec 2004 for fourteen MND engineers.

Build to Lease Program

Our support of the USFK commander's goal of increasing the command-sponsored rate continues under the Build to Lease (BTL) Family Housing Program. The Camp Humphreys project now consists of 1,500 family apartments in 12-15 story buildings, two elementary schools, one middle school, and one high school. We will be prepared to solicit for developers in early 2005 in a two-stage procurement with developer selection completed by the end of the year. Also, we will soon advertise for a 300-unit project on Camp Walker and recently received a new project for 300-400 units on Camp Carroll.

In addition to the family housing program we developed a solicitation for a 96 unit BTL unaccompanied officers quarters on K-16 Air Base. We advertised the project in June 2004 and expect to award the lease by the end of the year.

Construction Division

QAB/CD

To improve Heating, Ventilating and Air Conditioning (HVAC) system delivery, we brought two on-site prospect courses to FED. These courses are HVAC System Testing and Balancing (TAB) and HVAC Commissioning for one week each for 58 people total. QAB provided annual in-house QA/QC training at various project offices for more than 100 people. Senior engineers of QAB conducted the training. The training was very effective for QA and QC personnel with addressing the most common deficiencies they find during routine and pre-final inspections. QAB also provided a special training for key contractor employees to improve quality of work. The training material was based on repetitive deficiencies for Electrical, Architect, and Mechanical topics. During FY04, CD held three sessions of Construction Quality Management training for contractors. 141 people received certificates.



The Safety and Occupational Health Office (SOHO)

SOHO serves the Far East District by providing SOH Program oversight and safety technical guidance to all Divisions, Sections and project contractors. SOHO conducts accident/incident investigations and trends analysis to identify root causes and formulate recommendations for the reduction or elimination of such events from recurring. FED contractors worked over 9.9 million man-hours with ZERO Lost Time Recordable Accidents.



- Incorporated Unified Facility Guide Specifications (UFGS) 01525, Safety and Occupation Health Requirements into new construction contracts.
- Provided safety technical guidance and expertise to Korean Military Contractor Association (KMCA) with the translation of the U.S. Army Corps of Engineers Safety and Health Requirements Manual, EM 385-1-1 dtd 03 Nov 03 into the Korean language (Hangul).
- Disseminated over 30 “Safety Awareness Messages” command wide.
- Provided five Contractor Safety Courses, 4 - Korean (130 students), 1 - English (20 students)
- Conducted over 100 construction site safety surveys throughout the Korean peninsula.
- Provided over 300 safety technical review comments and/or guidance on safety and occupational health issues or concerns to include safety plans (AHAs/APPs), asbestos abatement, work platform safety, HAZCOM, etc.
- Provided over 50 safety and occupational health briefings to PQ contractors, FED command elements, and other external commands/agencies (i.e., U.S. Air Force, USFK, 8th Army, Ministry of National Defense (MND), etc.).
- Successful execution of Safety Day 2004 on Yongsan, South Post. Over 400 FED and host nation contractor personnel participated in the annual event.

Geotechnical and Environmental Services

Water Well Services

During FY04, the Water Well Services Section completed preventive and emergency maintenance on 220 wells on 45 USFK installations. These wells produced approximately 10 million gallons of water daily, providing a needed resource for basic operations on US military facilities.



Geographic Information System (GIS)



The Far East District partnered with Savannah District in implementing and managing an Army-wide GIS for KORO-IMA. The Web-based GIS opened in Jan 04, and is expanding in customer use and functionality. Dr. Pak Chun Pom is shown with fellow SAS presenters at the 2004 GeoSpatial Technology Symposium in San Antonio.

Geotechnical Services for project planning, design, and construction. The Geotechnical Section increased support for base realignment master planning and environmental site investigations. Some program highlights are shown below: (1) subsurface exploration for Camp Walker Build-to-Lease Family Housing; (2) helicopter transport of surveyors and drillers, Salem Top Antenna Replacement; (3) shaft construction inspection for C4I Hardening, CP Tango; (4) geologic mapping for DRMO land acquisition, A'Po site; (5) test pile driving inspection for Osan AB Family Housing; and (6) downhole camera and borehole logging system for rock fracture analyses, CP Tango.



Environmental Services for KORO-IMA, USFK, and the District. The Environmental Section performed a wide range of project and installation support activities, such as site assessments for land acquisitions and property turnovers, asbestos and UST/AST surveys and removal actions, expedited spill response, and analyses and clean-up of underground contamination. Some program highlights are shown below: (1) asbestos analyses for building surveys and abatement work; (2) briefing Korean city officials on remediation activities at Madison Site; (3) geophysical survey to locate a hazardous waste dump at Camp Carroll; (4) analysis of the TKP Spill Site, Camp Carroll; (5) subsurface explorations at multiple project locations; and (6) expedited cleanup activities following a fuel line rupture, Camp Humphreys.





US Army Corps
of Engineers
Far East District

U.S. ARMY ENGINEER DISTRICT, FAR EAST

October 2004

