



Iraq Reconstruction Update

A Weekly Construction & Sustainment Report

05.12.06



“Turn on the Valve” Celebration



Village boys cool themselves off after the “Turn on the Valve” ceremony at the commemoration of the new airport village water tower and pipeline project. Read the story of page 4. (Photo by Staff Sgt. Kevin Lovel)

Inside this Issue

- Page 2 Iraqis Take Charge
- Haditha City Council Meets
- Page 3 Date Palm Crops Sprayed
- Two Schools Reopen Doors
- Page 4 “Turn on the Valve”
- Page 5 Reconstruction Historical Series
- Page 6 Drinking Water System Tested
- Page 7 Projects at a Glance
- Page 8 Sector Overview
- Page 9 DoD Reconstruction Partnership

Focus: Date Palm Spraying

Video Download: Lt. Col. Harold Owen talks to a military reporter about working with the Iraq Ministry of Agriculture and Coalition Forces on a project to destroy pests and improve crop quality.



See related “Date Palm Crops Sprayed in Babil, Karbala Provinces” story on page 3



View the video <http://www.dvidshub.net/vjump.php?vid=13196>

Project Dispatches

Security Academy Completed in Rusafa

Construction has been completed on the Facilities Protective Services Headquarters and Academy in Rusafa, Baghdad Province. The \$6 million project involved the construction and renovation of living quarters, classrooms, a dining facility, a security and arms room, storage and office space. The new structure provides modern and professional facilities for teaching and training security members.



Al Rasheed Plant to Benefit 12,000 Residents – Now Complete



The Al Rasheed Water Treatment Plant in North Babil, Baghdad Province has been completed. The \$223 thousand project included the repair and refurbishment of an intake structure, sedimentation tanks, filters, air blowers and a disinfection system. The project will benefit more than 12,000 residents.

Three Fire Stations to Provide Protection for 350,000

Three fire stations in the Bagdad Province have been completed. The stations include Al Ameen, Al Kamalya and Al Benook. The three projects cost nearly \$3 million. Each project required the construction of a new fire station to provide enhanced emergency services and protection.



Zahko Military Training Academy in Duhok Completed



Construction is complete on the Zahko Military Training Academy in Dahuk Province. The \$5.8 million project was completed on April 22nd. The project required the renovation of five existing facilities and the construction of 16 new facilities, which increases the previous training capacity by

200 percent. The completed project will enable the Academy to train 500 new cadets at a time. This new military academy enables the training of high quality, motivated and disciplined officers to serve in the new Iraqi army.

A Comparative History of US Reconstruction Efforts : Kuwait



See Page 5





Iraqis Take Charge

by Claude D. McKinney
Gulf Region North
US Army Corps of Engineers

SULAYMANIYAH, Iraq — Even though it was overcast and rained a bit, it was a perfect day for the border fort ribbon cutting ceremony. First and foremost, the entire event was planned and executed by General Ahmed Amin the Director of Border Guards. This days activities included a ribbon cutting, remarks by a personal representative of Mr. Talbani, Mahmmud Sangawy, a tour which included a stop on the Iraq/Iran border, and lunch at another new neighboring border fort.



Col. Richard Jenkins and General Mustafa cut the ribbon commemorating the acceptance of 44 border forts along the Iran/Iraq border. (GRD Photo by Claude D. McKinney)

Mr. Sangawy held the listeners by commenting on topics of immediate importance to them. Many of those in the audience were border guards, and local leaders. After welcoming the guests and coalition forces representatives, he thanked the coalition for helping make this day a reality - a day when Iraqis can live in freedom and democracy. He reminded all that it was only three years ago the local Peshmarga and coalition forces fought against Islamic terrorists groups.

Sangawy praised the capture of numerous terrorist documents and passports. He pointed out the problem of terrorists coming into Iraq from neighboring countries, and most especially from Iran.

He also extolled the value of boarder police in protecting the borders from not only terrorists, but also from those who would bring drugs into the country to do harm to the population, he included prostitution and AIDS as other evils needing to be stopped at the boarders. He indicated Iraq's enemies still want to occupy Iraq.

Story continued on page 4

Haditha City Council Meets

Submitted by 1st Marine Division PAO

Security, safety, and quality of life - three key elements to the continuing progress in this region along the Iraqi-Syrian border in Iraq's Al Anbar Province.

Once a week, local sheiks and city officials meet with Iraqi Army and Coalition Forces officials in Husaybah to discuss these topics and overall progress in this region.

"The meetings are important because it let's us talk about problems in our town and we can find solutions," said a sheik from the town of Sa'dah.



Lt. Col. Nicholas F. Marano, commanding officer for the 1st Battalion, 7th Marine Regiment, listens to a local sheik's concerns during a town-hall style regional council meeting. (Photo by Cpl. Antonio Rosas)

Iraqi Refugees on Jordanian Border



Near the Iraqi-Jordanian border, key leaders from Coalition Forces, the Iraqi Government and the United Nations met to figure out the fate of approximately 150 Iraqis of Palestinian heritage who have fled their homes.



With help from the Iraqi Red Crescent, a group similar to the American Red Cross, a camp was set up for the refugees, complete with tents, food, water and medical supplies.



(Photos: DoD Digital Video and Imagery Distribution System)





Date Palm Crops Sprayed in Babil, Karbala Provinces

Story and Photo by Maj. Anna Friederich
2nd BCT PAO, 4th Inf. Div

KALSU, Iraq - Aerial spraying of the date palms, which began last week in the Babil province, is drawing to a close; now the focus is shifting to the Karbala province.

Four MI-2 helicopters from Skylink, Arabia, a Russian contractor based in Baghdad, cut a path across the sky as they descended into FOB Charlie in Hillah to refuel. Once refueled, they refilled insecticide containers and lifted off again to spread the solution on the date palm groves across the province. Date palm groves in Iraq, once producing 30 percent of the world's date supply have been severely reduced by drought, security issues and insect infestation.



Aerial spraying of the date palm crops wound down in the Babil province but is gearing up in Karbala areas this week.

To control the progressive loss of the crop and regenerate the industry, the Ministry of Agriculture and Coalition Forces teamed up to combat the problem with aerial spraying operations. Approximately 25,000 square kilometers of the crop have already been treated. Ali Kadim Ybeez, a representative from the Ministry of Agriculture and advisor during spraying operations said he hopes that by spraying, they will see at least a 50 percent increase in production during the harvest season (July through October).

The decrease in production has forced many family members, especially the young adults, to seek employment outside their regions.

The Hillah mayor, Imad Lefta, said the spraying efforts could not have been realized without the help of the Provincial Reconstruction Teams who initiated the project and assisted in the planning. "The decrease in date production was a blow to our economy, it was the one crop the farmers depended on," he said. An increase in date production will mean more jobs in the area.

Two Schools in South Baghdad Reopen Doors

Story by Spc. Kelly K. McDowell
2nd BCT PAO, 101st Abn. Div.

BAGHDAD – Multi-National Division – Baghdad Soldiers took advantage of an opportunity to help a local government enhance its future by assisting in the renovation and reopening of two schools in southern Baghdad.

The Adwaniya School and the Hawr Rajab Girls School were in serious disarray and suffered from total neglect prior to the arrival of MND-B Soldiers who helped the local government acquire the funds necessary to rebuild the educational facilities in the Al Rasheed area.



The completed Adwaniya School. (101st Abn. Div. PA Photo)

"These projects have been in the planning stages for at least three months," said 1st Lt. James Williams, project officer, 2nd Brigade Combat Team, 101st Abn. Division.

"We have now completed two of the four schools in the Al Rasheed district. It shows that the government will not be deterred by the anti-Iraqi forces," said Maj. Paul Schmidt, civil military operations officer, 2nd BCT, 101st Abn. Div.

"Projects like these help the local economy by employing local contractors to renovate the schools.

"Schmidt said the projects also provide essential services to the local people helps build faith in the local governments, and provides an appropriate place for the children to be educated.

"I can see the enthusiasm to learn and pride of their country in the faces of the students," said Williams, who hails from Chapel Hill, N.C. "The excitement in the air is intoxicating as the children enter their newly refurbished school."





“Turn on the Valve” Ceremony Marks Fresh Start

Story and photo by Staff Sgt.
Kevin Lovel, 363rd MPAD

The Iraqi residents of Airport Village, located near Baghdad’s International Airport, can now safely drink the water thanks to the completion of the Airport Village Water Tower and Pipeline project, which was commemorated with a “turn on the valve” ceremony recently. The tower and pipeline were built by Al Fulq Ltd. Co., the firm was awarded the contract for construction of the project. Also assisting were village resident workers and funds from the Overseas Humanitarian Disaster and Civic Aid program. Coalition Forces coordinated funding for the project at the request of the village leadership, said 1st Lt. Emily Siegert, civil military affairs officer, 1st Battalion, 320th Field Artillery Regiment, Multi-National Division – Baghdad. “They had negative water pressure, which allowed sewage to get into the drinking water,” said Siegert.

“This is the biggest gift from the (Coalition) Forces to this village,” said Esam Al Askar, managing director and chief executive officer, Al Fulq Ltd. Co. Al Askar is also a resident of the village. “People used to be very, very sick in the village. When the water pipes were rotten, sewage was leaking (into the water supply).”

The project replaced the old Airport Village water network with an 8-inch pipeline that improved the water pressure and water accessibility for the village. The new water tower, built using technology brought in from the United Arab Emirates, expands the ability of the village to have water during the peak shortage periods of the summer months and has a three-to-four day storage capacity, said Al Askar. “We’re really honored to do this and leave this here as a symbol of sacrifice. Coalition Forces sacrifice their lives hereto help us,” said Al Askar. Al Askar further stated that “It was a good opportunity for the unemployed in our village.” Approximately 60 of the village men worked on the project.

The project was started in July of 2005 by the 2nd Battalion, 299th Infantry, Hawaii Army National Guard,” said Maj. John Gentry, Victory Base Defense Operations Center Effects Coordinator and member of the 122nd Rear Operations Center, Georgia Army National Guard. The Soldiers of 1st Battalion, 320th Field Artillery Regiment, MND-B then assumed project management responsibility of the project in January, which was then transferred to the 17th Field Artillery Brigade, based out of Fort Sill, Okla.

Iraqis Take Charge...Continued from page 2

Sangawy expressed appreciation to the US Army Corps of Engineers for implementing important projects like these border forts, which will be used effectively to protect the country and keep the people within it safe.

Col. Richard Jenkins, Commander of Gulf Region North Division, US Army Corps of Engineers, was asked to assist in the ribbon cutting and to make a few remarks following those of Sangawy.

In his remarks, Jenkins thanked all those who were involved in building these border forts.

It was on account of their cooperation and dedicated efforts that usable and functional facilities were constructed.

Additionally he commented on the partnership between Iraq and the US to bring a new era of freedom to Iraq.

McCoy Receives Second Star



BAGHDAD - Brig. Gen. William H. McCoy, Jr., Commander of the U.S. Army Corps of Engineers, Gulf Region Division and Director, Project & Contracting Office, received his second star on May 3rd, at a ceremony held at Essayons Camp in Baghdad. Gen. George W. Casey, Jr., Commander, Multi-National Forces-Iraq, pinned McCoy with the major general’s stars at the frocking ceremony. Maj. Gen. McCoy’s wife, Jill, was able to join him via video teleconference. Capt. Ali Palmer, McCoy’s aide-de-camp, stood in for Mrs. McCoy to help Casey pin the second star on McCoy’s collar. (Photo by Susan Celotto, GRD)





Reconstruction Series: *A Comparative History of US Reconstruction Efforts*

By Sherman Fleek
PCO Command Historian

The United States has participated in numerous post-conflict reconstruction efforts with defeated or allied nations during its history. This comparative summary covers a few reconstruction efforts that more closely reflect our current efforts in Iraq. Not all the conflicts and nations selected follow the same criteria exactly. U.S. involvement in nations such as Somalia, Haiti and Bosnia was really humanitarian in nature and less reconstruction.



Kuwait 1991-1993

Iraq's unprovoked and aggressive invasion of Kuwait in 1990 and its six-month occupation devastated this small Middle-East nation. Fleeing Iraq forces destroyed oil wells or set them ablaze. The Iraqis also destroyed all buildings, roads, and structures in their way; set booby traps and left mine fields unmarked, turning Kuwait into an environmental catastrophe.

As in the past, the United States used the opportunity to assist in Kuwait's reconstruction as a means to safeguard American political and diplomatic interests in the region, besides helping an ally recover from a devastating experience.

American involvement in Kuwait reconstruction was primarily employing contract and engineering expertise to quickly procure and oversee contracting and project management work. All costs, including US government time and participation, were paid by the Kuwait government.

Security was not a huge planning imperative and nearly all Americans involved were civilian employees of the US Army Corps of Engineers or Corps contractors. Uniformed American soldiers were involved but were few in number.

The Corps deployed 112 civilians to manage the Kuwait Emergency Reconstruction Office which later became the Defense Reconstruction Assistance Office that added 500 members from engineer and civil affairs units to the reconstruction workforce.

Projects included civil works, road construction and infrastructure improvements or rehabilitations, and oil industry recovery.

The time and speed of the construction was impressive with many projects lasting only months. Contracting was also conducted at an unprecedented speed.

Additionally, the US Army used civil affairs teams to highlight projects and generate local public support.



Reconstruction efforts avoided an environmental disaster. (Department of Commerce Photo)

Facts You Should Know

- Iraqi soldiers left 600 of 1,300 Kuwait oil wells damaged or on fire
- Fleeing Iraqi forces laid hundreds of booby traps and thousands of land mines
- More than 100 people, many of whom were children, died from unexploded ordnance or booby traps
- Within 30 days of the end of hostilities, primary electrical power was restored.
- Within 45 days water was replenished and flowing
- Within 90 days the airport was operational
- Within 9 months most of the public infrastructure was restored or repaired.
- Kuwait contracted some \$800 million with US and European firms
- A US firm won a \$134 million contract to remove unexploded ordnance, mines and booby traps
- Reconstruction efforts avoided an environmental disaster



Space-Age Drinking Water System Tested

By Sgt. Dennis Gravelle
138th MPAD

DAHUK, Iraq - Soldiers with the 401st Civil Affairs Battalion in Dahuk, Iraq, may have found an alternative way for residents to drink clean water in the village of Bendaway. A creek running through the small village in northern Iraq is the only natural source of drinking water for the residents. There is no filtration system for the residents, so the water is full of pesticides, fertilizers, and other chemicals used in the heavily agricultural community. According to John Anderson, who works for a non-governmental organization, Concern for Kids, the effects of tainted water can be deadly. "This village lost 10 children in June 2003, from drinking sewer water out of the stream, because there was no other water," Anderson said.

The NGO, in conjunction with the 401st CA Bn., are testing a space-aged portable water filtering and purification system that was originally designed for NASA, which models after the space shuttle water recycling system. "We use the same technology, with a little different configuration," Anderson said. The portable water system being tested costs just under \$10,000 and can be the short term solution for the water problem in the village, according to Capt. Steven Hayden, 401st CA Bn. "There are about 300 villages in northern Iraq that don't have potable drinking water," Hayden said. "If you were able to put storage tanks in these villages, next to a creek, someone could come out once a week and fill the tanks up. It would have a phenomenal impact."



The 401st Civil Affairs Battalion in cooperation with the non-government organization "Concern For Kids" are field testing a water filtration system and are looking into purchasing them for remote areas of the Dahuk Province. (Photo by 401st Civil Affairs Battalion)



Captain Steven Hayden, 401st Civil Affairs Battalion in Dahuk, Iraq drinks clean water from a space-age water filter and purification system that is being tested for remote areas of Iraq that have no potable drinking water. (Photo by Sgt. 1st Class Eric Shadowens)



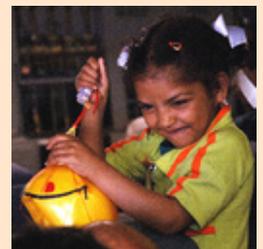
Photo Feature: Operation Smile Airlift



Iraqi children and their escorts deplane an Air Force C-17 at Baghdad International Airport April 29, as an Operation Smile staff member based in the Middle East, looks on. The Air Force assisted Operation Smile in returning patients and their families to Iraq from Jordan, where the patients had received surgery. (Photo by Master Sgt. Will Ackerman)



Airman 1st Class Alexis Elliott, a C-17 loadmaster, helps Dr. Talib, a plastic surgery resident, give the preflight safety briefing in Arabic for Iraqi children and parents being helped by Operation Smile. Operation Smile is a nongovernmental organization that treats children for cleft palate and cleft lip, a congenital birth defect. (Photo by Maj. Robert Palmer)



An Iraqi girl plays while waiting to deplane the C-17 at Baghdad International Airport. (Photo by Master Sgt. Will Ackerman)

Iraq Reconstruction Update



Projects at a Glance (As of: May 5, 2006)

Compiled by Katie Wall, PCO

- \$8.514 billion has been disbursed, representing over 63% of total funds
- 2,739 projects starts (out of 3,078 planned projects). This number includes 360 projects funded under the Development Fund Iraq (DFI)
- 2,221 projects are complete, including 331 that are funded under the DFI

Reconstruction Sector	Project Type	# Under Construction*	# Completed*
Health & Education	Schools	13	833
	Primary Health Care Centers	138	15
	Hospital Projects	10	20
	Public Buildings	5	51
Public Works & Water	Potable Water Projects	72	201
	Sewer Projects	7	33
Security & Justice	Fire Stations	8	72
	Military Base Projects	11	55
	Police Facilities	26	306
Transportation & Communication	Railroad Stations	5	80
	Village Roads	35	90
	Ports Projects	2	4
	Postal Facilities	3	23
	Airport Projects (FAA certified ready)	7	8
	Expressways	3	0
Electricity	Distribution Projects (including Substations)	87	140
	Transmission Projects	26	12
	Power Generation Projects	0	20
Oil	Dedicated Power Plants	2	3
	LPG/LNG Plant Refurb	5	0

* Note: Project numbers include projects funded by the Iraq Relief and Reconstruction Fund and the Development Fund Iraq and managed by GRD/PCO.

Source: Multiple PCO Management Reports



Sector Overview: Current Status – End State

Compiled By: John Daley, PCO

As of: May 5, 2006



Sector	Current Status	End State
Electricity	<p>1,431 MW capacity added</p> <p>Increased Power Generation to 1294K Homes</p> <p>Improved Electricity Distribution to approximately 250K Homes</p>	<p>1,562 MW capacity added (2,679 for all USG projects)</p> <p>Increased Power Generation to 1,400K Homes</p> <p>Improved Electricity Distribution to approximately 670K Homes</p>
Oil	<p>2.5 Million Barrels Per Day (MBPD) production capacity</p> <p>2.16 MBPD produced</p> <p>Natural Gas Production Capacity of 600M standard cubic feet/day</p>	<p>3.0 MBPD crude oil capacity</p> <p>Natural Gas Production Capacity of 800M standard cubic feet/day</p>
Water & Sewer	<p>Added 117,000 cubic meters per day of water treatment capacity (benefits an estimated 880,000 Iraqis)</p>	<p>Additional 1,193,000 cubic meters per day of water treatment capacity (will benefit approximately 5.6 million Iraqis. All USG projects will benefit 9.33 million Iraqis)</p>
Health	<p>15 primary healthcare centers completed out of 153 planned</p>	<p>Population of 5 to 6.5 million Iraqis served in completed primary healthcare centers</p>
Education	<p>833 schools providing classrooms for 325,000 students</p>	<p>847 schools providing classrooms for 330,000 students</p>
Security & Justice	<p>306 police facilities completed</p> <p>23 courthouses completed</p> <p>138 border forts completed</p>	<p>333 police facilities</p> <p>36 courthouses</p> <p>148 border forts</p>
Transportation	<p>247 Kilometers (KM) or 58% of planned improved village roads</p> <p>Provided emergency response dispatch system ('911' service) covering 5.8 million citizens of Baghdad</p>	<p>424 KM of improved village roads</p> <p>157 KM of improved major roads</p> <p>Provide emergency response dispatch system ('911' service) covering 12 million Iraqis in 15 cities</p>

Note: Project numbers include projects funded by the Iraq Relief and Reconstruction Fund and the Development Fund Iraq and managed by GRD/PCO.

Source: Multiple GRD-PCO Management Reports





A Reconstruction Partnership



Office of the Assistant Secretary of the Army (ASA) for Acquisition, Logistics and Technology (ALT)

<https://webportal.saalt.army.mil/main/aae.htm>

Assistant Secretary: *The Honorable Claude M. Bolton, Jr.*

Principal Deputy to the ASA (ALT)/Director of Iraq Reconstruction and Program Management: *Mr. Dean Popps*



US Army Corps of Engineers - Gulf Region Division <http://www.grd.usace.army.mil/index.html>

Commanding General: *Maj. Gen. William H. McCoy, Jr.*

Iraq Project & Contracting Office

<http://www.rebuilding-iraq.net>

Director- Baghdad: *Maj. Gen. William H. McCoy, Jr. (dual-hatted GRD-PCO)*

Deputy Director for Reconstruction: *Ms. Kathy Johnson*

Director-Washington: *Mr. James M. Crum*



Joint Contracting Command – Iraq/Afghanistan

JCC-IA provides responsive operational contracting support to the Chief of Mission and Multi-National Corps - Iraq to efficiently acquire vital supplies, services and construction in support of the Coalition Forces and the relief and reconstruction of Iraq.

Commander: *Maj. Gen. Darryl A. Scott*



Office of the Assistant Deputy Assistant Secretary of the Army (Policy and Procurement), Iraq

DASA(P&P)-I provides the necessary administrative and contracting support to the Chief of Mission, Project and Contracting Office, Multi-National Forces, and supports the humanitarian relief, reconstruction, and security of Iraq.

ADASA(P&P)-I: *Mr. Lee Thompson*



For further Iraq reconstruction and sustainment information:

U.S. Agency for International Development: <http://www.usaid.gov/iraq>

U.S. Department of Commerce: <http://www.export.gov/iraq>

U.S. Embassy in Iraq: <http://iraq.usembassy.gov>

U.S. Central Command: <http://www.centcom.mil>

Multi-National Force – Iraq: <http://www.mnf-iraq.com>

Multi-National Security Transition Command – Iraq: <http://www.mnstci.iraq.centcom.mil/>



Iraq Reconstruction Update Contacts

PCO Strategic Communications Director

Gulf Region Division Liaison

Managing Editor/Senior Writer/Layout

Weekly Update Copy Editor

Weekly Update Production Manager/Metrics

Metrics Manager

Howie Lind, (703) 696-1423

Steve Wright, (540) 665-4993

Ron Eschmann

Andy Curtin

Katie Wall

John Daley

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