

**Jordan Activities
Quarterly Report- XXI
Sustainable Development of Drylands Project
IALC-BRDC**

Activities Summary (October 1 – December 31, 2007):

SOW

- The SOW for 2 years extension of the project is presented to the USAID-Amman and approved,

Required Biosolids Laboratory Training

- RSS submitted the workshop report,
- The fund for the workshop is transferred to RSS.

Development of Drying Bed Sludge Treatment Method

- The proposal for this activity is sent to UoA on September 16, 2007 for review and approval,
- The contract for this activity is prepared and waiting for the approval of the proposal and work plan from UoA,
- RSS continued working on this activity.

Modeling Biosolids Treatment in Jordan

- No proposal is received by BRDC for this activity up to date,
- Alternative source for weather data is identified in one of the National Center for Agriculture Research and Technology Transfer (NCARTT) research station close to Madaba.

Application of Treated Biosolids to Land Irrigated with Effluent - Madaba

- The final report for this activity is prepared and approved,
- New crop (alfalfa) is planted on the site.

Management Practices of Sludge and Biosolids in Jordan

Volume I

- RSS prepared the work plan and manual outline for volume I of the manual and waiting UoA approval on the proposal,

Volume II

- JUST prepared the draft manual for volume II of the manual as an extension to their current activity “Linkages for On-Farm Applications and Technology” and it is sent to UoA for review,
- A contract modification for JUST to prepare the Volume II of the manual is signed and processed and the fund is transfer to BRDC,

Volume III

- RSS prepared the work plan and manual outline for volume III of the manual as continuation of the bio-solid training workshop that held on July 30th and August 1st, 2007.

The Development of Anaerobic Wastewater Treatment Technology for Jordan

- WERSC continued working on this activity where sampling and measurements for various UASB setups are taken,
- Second progress report is prepared on October.

Characterization of Septage at Ain Ghazal

- WERSC continued taking samples from septage and analyzing them,
- Progress report is prepared.

Rangeland Responses under Biosolids Application

- A modified proposal for this activity is prepared and sent to UoA for review on November 4,
- The site for the demonstration watershed is assigned within the Hashemite University campus.
- Two workshops for general stakeholders and expert community are conducted for consultation in the development of work plan,
- Soil samples are collected from the selected site and analyzed.

Linkages for On-Farm Applications and Technology

- Series of workshops for farmers, extension agents and engineers are organized,
- The third progress report is prepared on October,

Activities Summary for the following period (January 1 – March 31, 2008):

SOW

- The fund for the new SOW will be transferred to UoA,

Development of Drying Bed Sludge Treatment Method

- The contract between BRDC and RSS for this activity will be signed and processed,
- RSS will continue sampling and testing the treatment methods.

Modeling Biosolids Treatment in Jordan

- The proposal for this activity will be prepared and sent to UoA for review and approval,

Application of Treated Biosolids to Land Irrigated with Effluent (Madaba)

- RSS will continue sampling and testing the extra crop planted on the site (alfalfa),
- Work plan and contract for the extension of this activity will be prepared.

Management Practices of Sludge and Biosolids in Jordan

- RSS will finish developing volumes I and III of the manual,
- JUST will finish developing volume II of the manual,

The Development of Anaerobic Wastewater Treatment Technology for Jordan

- WERSC will finalize sampling and analyzing septage from various reactors,
- Final report will be prepared.

Characterization of Septage at Ain Ghazal

- WERSC will finish sampling and analyzing septage for Ain Ghazal,
- Final report will be prepared.

Rangeland Responses under Biosolids Application

- The proposal for this activity will be reviewed by UoA,
- The fund for this activity will be transferred to BRDC,
- The final consultation session for national and international experts to review the final work plan will be organized,
- The final report that includes the work plan for the application in the demo site at HU will be prepared.

Linkages for On-Farm Applications and Technology

- JUST will finalize a manual for bio-solid application as the main output of this activity,
- Final report will be prepared.

Saad AlAyyash,
Project Coordinator, BRDC
January 2008

Activities Budgeting:

Activity	Budget (\$)			
	Budget Allocation	Fund transferred during: Oct. 1 – Dec. 31, 07	Total fund transferred to date	Fund transfer planned for: Jan. 1 – Mar. 31, 08
BRDC subcontract* (UoA to BRDC)	69,000^a	15,500	69,000	0
The Development of Anaerobic Wastewater Treatment Technology for Jordan (BRDC to JU-WERSC)	83,000^b	10,000	65,000	13,000
Linkages for On-Farm Applications and Technology (BRDC to JUST) (\$7000 added for the manual, Volume II)	47,000^c	14,000	39,000	5,000
Characterization of Septage at Ain Ghazal (BRDC to JU-WERSC)	30,000^c	0,000	20,000	7,000
Application of Treated Biosolids to Land Irrigated with Effluent – Madaba (BRDC to RSS)	45,000^c	7,000	34,000	8,000
Rangeland Responses under Biosolids Application (UoA to BRDC)	40,000	0	0	40,000
Required Biosolids Laboratory Training (BRDC to RSS)	24,892^d	18,000	18,000	4,892
Development of Drying Bed Sludge Treatment Method (UoA to BRDC)	15,000			15,000^e
Modeling Biosolids Treatment in Jordan (UoA to BRDC)	25,000			25,000^e

^a BRDC subcontract includes \$5,600 for TAC expenses,

^b Includes \$5,000 BRDC contract monitoring fees,

^c Includes \$3,000 BRDC contract monitoring fees,

^d Includes \$2,000 BRDC contract monitoring fees,

^e UoA transfers the fund to BRDC then BRDC transfers it to the various activities' implementing institutions in Jordan.