

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

I. Activities Summary (July 1 – September 30, 2009):

Management Practices of Sludge and Biosolids in Jordan

- Volume I Manual: A new proposal with a smaller scope is being developed by RSS for approval. Manual information is being updated and an outline is being prepared by RSS.
- Volume II Manual: Arabic version completed and approved by BRDC team and a soft copy was sent by DHL to U o A.

**The Development of Anaerobic Wastewater Treatment Technology for Jordan:
UASB Adaptation to low temperatures and characterization of solids at Salt**

- WERSC will report on these 2 activities in one report identifying each section.
- Final report was submitted to the project at end of September for review and approval by the project.

Characterization of Septage at Ain Ghazal

- A paper has been submitted by Dr. Maha Halalshe and others for publication. WERSC will provide a copy to BRDC and the project when published.

Rangeland Responses under Biosolids Application

- Project preparation of activity was completed and a study is under way. Late rainfall pushed this activity further into spring. The activity will be completed by the middle of summer; samples of soil and biomass will be taken and will be tested as per the proposal.
- Workshop has been planned and done during July, 2009 to study the effect of applying biosolids to rangeland through a pilot site at HU campus.
- Progress report 2 is under preparation and will be sent to UofA for review.
- BRDC and the HU team visit the site at least once a week for monitoring.

II. Activities Summary for the following period (October 1 – December 31, 2009):

Development of Biosolids aging Treatment Method (a precursor activity at Madaba)

- RSS will continue aging technique under warm conditions.

Modeling Biosolids Treatment in Jordan

- Modeling is based on microbiological data gathered by RSS and Msheger weather station will be performed by A. Tamimi.

Management Practices of Sludge and Biosolids in Jordan

- RSS will continue working on volume I of the manual, Activity will be completed.

The Development of Anaerobic Wastewater Treatment Technology for Jordan

- Final report sent to UofA to be reviewed by project and comments will be sent to WERSC. Activity will be completed.

Rangeland Responses under Biosolids Application

- BRDC and HU will continue the biosolids application on the demonstration site ,
- BRDC and HU started planning for a workshop to be given during the summer (July). *Ad hoc* biosolids committee and USAID will be among those who will be invited.
- Final report will be prepared by BRDC and HU and sent to UofA. Activity will be completed.

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October 2009