

PUERTO RICO WATER RESOURCES AND ENVIRONMENTAL  
RESEARCH INSTITUTE

104B SECTION RESEARCH PROGRAM

1<sup>st</sup> Quarterly Progress Report

**Date of the report:** June 1<sup>st</sup>, 2004

**For Quarter Ending:** June 30<sup>th</sup>, 2004

**Project:**

**Project Title:** 'Investigation of Sorbing Behavior of Crumb Rubber to Remove Inorganic and Organic Contaminants from Aqueous Solutions'

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**Names of Co-PI's:** Felix Roman, Marco A. Arocha

**Percentage of work completed in this period (%):** 10%

**Accumulative Percentage of work completed (%):** 10%

**Completion Date:** February 28<sup>th</sup>, 2005

**Project status:**  Schedule  Suspended  Delayed  Cancelled  Completed  
Activities progress: (according to work schedule submitted with application)

Task #	Major Activity	Date started	% Completed	Estimated date of completion	Date Completed	Dependant on task(s)
01	Chemical stability of crumb rubber (preliminary tests)	May 1 <sup>st</sup> , 2004	10	July 15 <sup>th</sup> , 2004		

**Summary of Progress on Project this Quarter:** The progress can be summarized as follows

- Assignment of project account number by CID: End of March, 2004
- Submission of purchasing orders (starting): April, 2004
- Submission of last purchasing order: Beginning of May, 2004
- Installation, testing of experimental set-up (water-bath shaker) and preliminary shaking tests: April 10<sup>th</sup>, 2004
- Preliminary tests on chemical stability of crumb rubber (starting): May 1<sup>st</sup>, 2004
- Reception of crumb rubber samples at different particle sizes prepared by REMA (specifically for this project): May 10<sup>th</sup>, 2004
- Visit to 'Junta de Calidad Ambiental de Puerto Rico' to present our research initiatives related to crumb rubber: May 14<sup>th</sup>, 2004.
- Starting of ICP calibration for inorganic quantitative analyses: May 17<sup>th</sup>, 2004 (after reception of He and Ar gas cylinders).

**Problems encountered and/or assistance need:**

None. The great support provided by Miss Elsa Arce is deeply acknowledged.

**Note.-** We expect to start with preliminary sorption tests for organic compounds right after receiving the corresponding set-up ('Rota-Mix').

**Certifications:**

*As the Principal Investigator, I certify that the information contained within this quarterly report accurately reflects the status of this project.*



Dr Oscar Perales-Perez, PI  
Assistant Professor

June 1<sup>st</sup>, 2004

