



1st Annual SWANA Caribbean Chapter Symposium
Market Perspectives on Solid Waste Management
in Puerto Rico and the Caribbean Region

Friday, May 20, 2011 - Embassy Suites Hotel, Isla Verde, Puerto Rico

- 8:00am Registration and Continental Breakfast
- 8:30am **Opening**
 Fernando L. Rodríguez, PE; President - SWANA PR-Caribbean Chapter
- 8:40am **Background on Solid Waste Management in Puerto Rico**
 Mr. David Román, Professor; University of Puerto Rico
- 9:00am **Background on Solid Waste Management in the U.S. Virgin Islands**
 May Cornwall Adams, PE; Executive Director - VI Waste Management Authority
- 9:30am **Coffee Break**
- 9:45am **The role of government in solid waste management in Puerto Rico: situation, compliance policies and proposed programs.**
 - Pedro L. Nieves, Esq.; President, Puerto Rico Environmental Quality Board
 - Elí Díaz-Atienza, Esq.; Director, Puerto Rico Solid Waste Authority
 - Carl Soderberg, P.E.; Director, Caribbean Environmental Protection Division, U.S. EPA Región 2
- 11:00am **Panel question and answer session**
- 11:15am **Industry perspective on solid waste management in Puerto Rico and the Caribbean: market projections, strategies and technologies**
 - René Rodríguez, PE; Environmental Compliance Officer, Waste Management
 - Mr. Mark Green; Vice-President, Energy Answers - Arecibo
- 12:15pm **Lunch - Guest Lecturer**
 Mrs. Sara Bixby; International President, SWANA
- 1:30pm **Operational experience in the implementation of a municipal recycling program in Puerto Rico**
 Mr. Milton López - Recycling Coordinator and MRF Director, Municipality of Guaynabo
- 2:00pm **Industry perspective on solid waste management in Puerto Rico and the Caribbean: market projections, strategies and technologies**
 - Mr. Rey Contreras, President, Landfill Technologies, Inc.
 - Mr. Allyson Blease, General Manager, Allied Waste Industries, Inc.
 - Luis Jiménez, Eng., Project Manager, CDM Caribe
 - Fernando Pagés, Eng., Director, TetraTech
- 3:15pm Coffee Break (during previous session)
- 3:30pm Panel question and answer session
- 4:15pm Closing and Coctail



Rafael Toro, Raquel Cortes, Javier Arocho, Alexis Molinares



EnergyAnswers
Arecibo





Mark Green – Energy Answers Arecibo Project Manager
*Industry Perspective on Solid Waste Management in Puerto Rico and the Caribbean:
market projections, strategies and technologies*
SWANA Symposium – Puerto Rico – May 20, 2011

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SWANA CARIBBEAN-PR CHAPTER



NOTA PÚBLICA

[Primer Simposio - Capítulo de Puerto Rico y el Caribe de SWANA](#)

Perspectiva del Mercado en el Manejo de Desperdicios Sólidos en Puerto Rico y el Caribe

San Juan, May 20, 2011: El capítulo de Puerto Rico y el Caribe de SWANA (*Solid Waste Association of North America*) llevó a cabo su Primer Simposio el pasado **viernes, 20 de mayo de 2011** en el Hotel Embassy Suites de Isla Verde, Puerto Rico. Varias presentaciones y sesiones de preguntas y respuestas al panel detallaron aspectos administrativos, técnicos y financieros relacionados con el tema principal: ***Perspectivas del Mercado en el Manejo de Desperdicios Sólidos en Puerto Rico y el Caribe.***

Ponencias describiendo radiografías sobre el manejo de los desperdicios sólidos en Puerto Rico y las Islas Vírgenes de EE.UU. en las pasadas décadas fueron presentadas por el Prof. David Román, Universidad de Puerto Rico y la Ing. May Adams Cornwall, Director - *Virgin Islands Waste Management Authority*. El programa continuó con una discusión de un panel enfocado en la función del gobierno representado por las agencias reguladoras locales por el Lcdo. Pedro L. Nieves (Presidente, Junta de Calidad Ambiental), el Lcdo. Elí Díaz-Atienza (Director Ejecutivo, Autoridad de los Desperdicios Sólidos) y la Sra. Teresita Rodríguez (en representación de la Agencia Federal de Protección Ambiental).

La conferenciante invitada, la Sra. Sara Bixby, Presidente Internacional de SWANA, enfocó su presentación durante el periodo del almuerzo en las diferentes prioridades asignadas al manejo de los desperdicios sólidos en los Estados Unidos, Canadá y las Islas del Caribe.

Iniciando la sesión de la tarde, la exitosa experiencia operacional evidenciada a través de la implantación de un programa de reciclaje municipal en Puerto Rico fue descrita por el Sr. Milton López, Director del Departamento de reciclaje y Omato del Municipio de Guaynabo.

Durante el día tuvimos presentaciones relacionadas con las perspectivas de los operadores fueron suministradas por los auspiciadores de este evento: Waste Management Inc. (Auspiciador de Oro), CDM Caribe, A&A Waste, Tetra Tech, Inc., Energy Answers - Arecibo, Allied Waste Industries, Inc., and Landfill Technologies, Inc. El Ing. René Rodríguez, (WMI), el Sr. Mark Green (Energy Answers-Arecibo), el Lcdo. Rey Contreras (Landfill Technologies, Inc.), el Sr. Alyson Blease (Allied Waste Industries, Inc.) y el Ing. Fernando Pagés, PE (Tetra Tech, Inc.) representaron a los sectores principales de esta industria.

El evento reunió sobre cien asistentes, incluyendo socios activos de SWANA, y representantes de varios municipios locales, Barbados, Islas Vírgenes de los EE. UU., compañías de manejo de desperdicios sólidos, agencias gubernamentales y firmas de consultoría ambiental. Este evento fue co-auspiciado por el Instituto de Ingenieros Químicos y el Instituto de Ingenieros Ambientales del Colegio de Ingenieros y Agrimensores de Puerto Rico (CIAPR). El mismo es acreditado por la División de Educación Continua del CIAPR para incentivar a aquellos participantes colegiados.

[First SWANA Caribbean-Puerto Rico Chapter Symposium](#)

Market Perspectives on Solid Waste Management in Puerto Rico and the Caribbean Region

San Juan, May 20, 2011: The Solid Waste Association of North America (SWANA) Caribbean-Puerto Rico Chapter held its First Waste Management Symposium on **Friday, May 20, 2011** at the Embassy Suites Hotel in Isla Verde, Puerto Rico. Several presentations and panel discussions outlined insight based on the main topic: ***The Market Perspectives on Solid Waste Management in Puerto Rico and the Caribbean Region.***

Historical backgrounds on the solid waste management in Puerto Rico and the U.S. Virgin Islands were provided respectively by Mr. David Román, Professor - University of Puerto Rico, and Mrs. May Adams Cornwall, PE, Director - Virgin Islands Waste Management Authority. Thereafter, presentations focusing on the role of the government were introduced by representatives from local agencies: Mr. Pedro L. Nieves, Esq., President of the Puerto Rico Environmental Quality Board, Mr. Elí Díaz-Atienza, Esq., Executive Director of the Puerto Rico Solid Waste Management Authority, and Mrs. Teresita Rodríguez, representing the federal Environmental Protection Agency.

Around noon time, the Guest Luncheon Speaker, Mrs. Sara Bixby, SWANA International President, highlighted the distinction in solid waste management priorities seen in the continental U.S., Canada, and the Caribbean Islands.

The afternoon session started with a description of the successful operational experience through the implementation of a municipal recycling program in Puerto Rico by Mr. Milton López, Director of the Recycling and Collection Department of the Municipality of Guaynabo.

Throughout the day perspective from the solid waste management operators was provided by this event's sponsors: Waste Management Inc. (Gold Sponsor), CDM Caribe, A&A Waste, Tetra Tech, Inc., Energy Answers - Arecibo, Allied Waste Industries, Inc., and Landfill Technologies, Inc. René Rodríguez, PE (WMI), Mr. Mark Green (Energy Answers-Arecibo), Mr. Rey Contreras (Landfill Technologies, Inc.), Mr. Alyson Blease (Allied Waste Industries, Inc.), and Mr. Fernando Pagés, PE (Tetra Tech, Inc.) represented the industry operational and technical sectors.

The event gathered over a hundred participants, including active SWANA members, representatives of various local municipalities, Barbados, the U.S. Virgin Islands, waste management companies, government agencies, and environmental consulting firms. This event was co-sponsored by the Institute of Chemical Engineers and the Institute of Environmental Engineers from the College of Engineers and Surveyors of Puerto Rico (CIAPR). Moreover, the event was accredited by the Continuing Education of the CIAPR to provide further incentives to participating colleagues.