

## **Recycled Construction Demolition Waste Grading System in Pipeline**

Emirates Recycling Work With Dubai Central Laboratories To Evaluate and Test Recycled Construction Demolition Waste Products.

**Dubai, DATE:** Emirates Recycling, a division of the Al Rostamani Group business conglomerate, is working with Dubai Municipality (DM) to commission Dubai Central Laboratories (DCL) for a project that seeks to certify, characterise, optimise approvals for use of recycled construction demolition waste (CDW) materials. The project seeks to assess CDW that can be used as a replacement for natural aggregates in a broad range of permanent local end user applications. Products recycled from CDW currently lack market acceptance and according to Emirates Recycling, DCL holds the key to, and is pivotal in, the process of delivering the approvals required to effect change.

“CDW materials are generally ignored by contractors as a viable material for aggregates and yet the environmental and cost benefits should outweigh any doubts that they are an effective option,” said Neil Roberts, CEO of Emirates Recycling LLC.

“By working with DCL to certify, characterise and approve optimal use of recycled construction demolition waste, we will take the first step towards changing industry perceptions and practises regarding the use of recycled material for aggregates.

“This is also very much a community project that can deliver sustainable benefits to the environment and cost benefits to the wider community as a whole.”

The DCL tests will determine which products can be certified and approved for reuse or restricted to temporary applications. Roberts said existing standards will be challenged by the project but that long-term benefits will be gained by the Municipality and in turn, the community as a whole.

“Current standards have to be addressed and amended or certified products will still be restricted to supply into only 5% of the added value markets which is not economically sustainable,” added Roberts.

“Standards need amending to permit broader use of recycled materials in permanent applications. We need to constantly remind ourselves that materials are not recycled until beneficially reused and the advantages in cost savings are immense.”

Roberts believes the success of the programme will have far-reaching benefits.

“Markets will see aggregates are aggregates regardless of source,” he said. “There would be no specification barriers to ‘quality managed’ recycled aggregates if products are technically sound.

“If specifications are met, there will be no perceived difference in performance between primary and recycled products and the sustainable options will be seen by consumers as the most cost effective.”

The DCL project is scheduled to take seven months conducted under the supervision of a technical team of representatives from the Dubai Municipality and contracting and construction companies.

“The study will definitely contribute to finding solutions and ways of using the outcomes of the recycled products in different construction sites. He further stressed the necessity to reconsider the standards of building materials on the outcome of the result of the study.” said Abdullah Mohammad Rafia, Acting Assistant to Director General for the Environment Control, Health and Safety Sector at Dubai Municipality.

## ENDS

**CAPTION:** Emirates Recycling and Dubai Municipality collaborate with Dubai Central Laboratories on certification project for recycled construction demolition waste.



### (Front row L to R)

Eng. Ali Ahmed Elian: Head of Engineering Material Laboratory Section

Mr. Neil Roberts: CEO Emirates Recycling

Eng. Abdulla Mohammad Rafia: Asst. Director General for General Support Sector

Eng. Hassan Makki: Head of Waste Services Section

Eng. Hawa Abdulla Baskati: Director of Dubai Central Laboratory

## **About Emirates Recycling**

An initiative by the Al Rostamani Group, Emirates Recycling LLC is dedicated to the recycling and recovery of the city's construction and demolition (C&D) waste.

Emirates Recycling is an independent processing and manufacturing facility and will recycle approximately three and a half million tons per year of C&D waste into road base and non-structural aggregate. Emirates Recycling has an exclusive mandate from Dubai Municipality to recycle the city's C&D waste material.

Emirates Recycling will provide developers and contractors with a readily available, high quality, low-cost and eco-friendly product as robust, safe and high-quality as current market alternatives, if not more so.