From:	Hawk, Daniel
To:	MSFC-SSFL-EIS
Cc:	Fellows, Merrilee (HQ-LD000)
Subject:	FW: Nuclear Lab Site Clean-up/ High CEC Cpyro/ LLNL.gov using in Bikini Island for Radiocesium mitigation
Date:	Monday, August 19, 2013 10:10:43 AM
Attachments:	Iris Smith_2012 Summer Student Poster_edit V2-EditedAndFormatted.pptx

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NASA please forward this email to in-charge for SSFL clean-up.
Thanks,
Dan

From: Hawk, Daniel
Sent: Monday, August 19, 2013 9:56 AM
To: nepa@hq.nasa.gov
Subject: FW: Nuclear Lab Site Clean-up/ High CEC Cpyro/ LLNL.gov using in Bikini Island for Radiocesium mitigation

NEPA team first workups of Cpyro was part of KSC undergrad research for Advanced Astronaut Carbon-Based Life Support. The filtration properties of carbon are well known. What if high CEC Cpyro can make otherwise untreatable soil to treatable, or reduce or mitigate the soil to a lessor degree? This would be of great value to NASA and the public. It is worth discussing the use of high CEC pyrogenic carbon as a viable contamination nuclear mitigator with Dr Hamilton at Lawrence Livermore National Laboratory/ DOE.

Respectfully,
Dan Hawk

From: Hawk, Daniel
Sent: Sunday, August 18, 2013 8:25 PM
To: Ray.Leclerc@dtsc.ca.gov
Cc: Marina.Perez@dtsc.ca.gov; Russ.Edmondson@dtsc.ca.gov; Mark.Malinowski@dtsc.ca.gov
Subject: Nuclear Lab Site Clean-up/ High CEC Cpyro/ LLNL.gov using in Bikini Island for Radiocesium mitigation

Ray, I am just dropping you a note. We are using pyrogenic carbon in Marshall Islands in support of the Congressional Marshallese Resettlement... perhaps Cpyro might be a solution to contamination clean-up for your project. Let me know if you would like to set up and experiment. See poster for some preliminary details.

Dr Terry Hamilton at llnl.gov is in charge of the Marshall Islands Project.

Sincerely,
Dan Hawk