

Summary Notes – August 4, 2015
Savannah River Site (SRS) Citizens Advisory Board (CAB)
Waste Management (WM) Committee Meeting

The WM Committee held a meeting on Tuesday, August 4, 2015, from 4:30-6:20 p.m., at the New Ellenton Community Center in New Ellenton, South Carolina. It was also streamed online via Google Hangouts and posted to the CAB website and YouTube page. The purpose of this meeting was to receive an update on the Effluent Treatment Facility (ETF). There was also time set aside for committee discussion and public comments.

Attendees:

CAB:	DOE/Contractors/Others:	Stakeholders:
Earl Sheppard – WM Chair	Jim Folk, DOE-SR	Joe Ortaldo
Harold Simon – CAB Chair	de’Lisa Carrico, DOE-SR	Tom Gutmann
Nina Spinelli – CAB Vice Chair	Patrick McGuire, DOE-SR	
David Hoel	Dan Ferguson, DOE-SR	Agency Liaisons:
John McMichael	Dan Burnfield, DNFSB	Tom Rolka, SCDHEC
Susan Corbett	Kim Cauthen, SRNS	Kevin Baird, SCDHEC
Virginia Jones – WM Vice Chair	Doug Bumgarnder, SRR	
Online	Jesslyn Pearson, Time Solutions	
	James Tanner, Time Solutions	
	Tina Watson, Time Solutions	

Welcome and Introduction:

CAB member Earl Sheppard welcomed everyone. He reviewed the agenda, committee focus, and stated the WM Committee had no open recommendations. He introduced Mr. Jim Folk, DOE-SR, to provide the DOE Point of Contact update. Mr. Folk provided a brief update of ongoing DOE-SR activities related to the WM Committee. CAB member Sheppard then introduced Mr. Doug Bumgardner, Savannah River Remediation (SRR), to begin his presentation.

Presentation: ETF Process Systems Overview – Doug Bumgardner, SRR

Mr. Bumgardner said the purpose of his presentation was to provide an overview of how the ETF process works. He provided an aerial picture of all the Liquid Waste (LW) facilities pointing out the ETF before he showed a flow chart of all the facilities within the LW program. He provided background information about the ETF stating the facility treated low-level radioactive wastewater from the F and H Area separations and waste management facilities to remove chemical and radioactive contaminants before releasing water to the Upper Three Runs Creek. Mr. Bumgarner showed another flow chart of the ETF treatment process stating he would discuss each step in the process. He discussed the ETF basin systems which collected potentially contaminated liquids from storm water run off and cooling water diversions from F and H Areas. He said after sampling and analysis, liquids from the basin were pumped either to the ETF for treatment or Four Mile Creek. Mr. Bumgardner discussed the ETF wastewater collection and pretreatment processes. He stated two 450,000 gallon wastewater tanks received low-level wastewater. He said the pretreatment process consisted of adjusting the wastewater chemistry so particles could be filtered. He discussed the ETF filtration system stating the filtration system removed particles from the wastewater and after filtration the clear liquid was sent to organic removal and the solution of particles was sent to the

Evaporator System. He discussed the ETF Organic and Mercury removal processes stating the organic and mercury removal system consisted of chemical columns that removed organics and mercury. He stated once organic and mercury removal processes occurred the liquid was then transferred to the Reverse Osmosis System. Mr. Bumgardner said the Reverse Osmosis Filter Train was the process that dissolved solids from the wastewater. He explained the clear liquid was transferred to Ion Exchange and solution containing solids was sent to the Evaporator System. Mr. Bumgardner discussed the ETF Ion Exchange Columns, which removed residual heavy metals and radioactive contaminants from the wastewater. He said after the Ion Exchange treatment, the wastewater was transferred to the Treated Water Tanks, which stored water following completion of the process. He also stated once sampling showed the treated water met release requirements the treated water was discharged to Upper Three Runs Creek. This presentation can be found on the CAB website at: cab.srs.gov

Committee Discussion:

CAB member Sheppard asked if the CAB members had anything to discuss. CAB member David Hoel said he felt the CAB should receive an update on the Mercury issue. Mr. Folk recommended having a mercury update in October. CAB member Susan Corbett said she felt a presentation should be given on what the DOE guidelines were for release and discharge limits. This discussion can be found at on the CAB website at: cab.srs.gov

Public Comments:

There were no public comments.

CAB member Sheppard adjourned the WM Committee meeting.

The next WM Committee meeting will be held on Tuesday, October 6, 2015, from 4:30-6:20 p.m., at the New Ellenton Community Center in New Ellenton, SC.

The online recording of this meeting can be located on the CAB's website at: cab.srs.gov