

**Cleanup Standards Scientific Advisory Board
Meeting Minutes
RCSOB 14th Floor Conference Room
November 16, 2016**

Cleanup Standards Scientific Advisory Board (CSSAB) Members Present:

Ronald Buchanan	Craig Robertson
Joel Bolstein	Mark Smith
Colleen Costello	Mark Urbassik
Michael Meloy	Don Wagner

Department of Environmental Protection (DEP) Staff Present:

David Brown	Frank Nemec
Abbey Cadden	Randy Roush
Troy Conrad	Keith Salador
Carolyn Fair	Brie Sterling
John Gross	Pamela Trowbridge
Mike Maddigan	Noreen Wagner

Others Present:

Jenny DeBoer	Kay Linnell
Neil Ketchum	

Call to Order

Chairman Ronald Buchanan called the CSSAB meeting to order at 9:10 a.m. Around the room introductions commenced.

Land Recycling Program (LRP) Update

DEP (Troy Conrad) addressed CSSAB regarding miscellaneous Land Recycling Program (LRP) topics:

- Amendments to Chapter 250 of the PA Code, Administration of the Land Recycling Program, have been published; work on new updates to the regulations will begin again in March 2017.
- Management changes in the Bureau of Environmental Cleanup and Brownfields (BECB): Randy Farmerie was named Environmental Program Manager (EPM) in North Central Regional Office (NCRO); Kevin Halloran has been named EPM in Southwest Regional Office (SWRO); Ben Thonus has been named EPM in South Central Regional Office

(SCRO); Southeast Regional Office (SERO) has yet to name a new EPM for the retired Steve Sinding; George Hartenstein is currently serving as both BECB Director and Acting Deputy Secretary for Waste, Air, Radiation, and Remediation (WARR).

- ECB's new Vapor Intrusion (VI) Guidance document is scheduled for publication on 11/19/16 and will become effective 1/18/17.
 - a. DEP has partnered with Pennsylvania Council of Professional Geologists to provide VI guidance training at locations across the Commonwealth. The initial three training sessions are scheduled for December 2016-January 2017 and appear to be in great demand.
 - b. Carolyn Fair of DEP's LRP will be the DEP point of contact for all questions/comments on the VI guidance.
 - c. Michael Meloy of the CSSAB commented that an additional opportunity to comment on the VI guidance document will be provided to the public when the Technical Guidance Manual is published as draft and open for public comment at a later date.
- PA Brownfields conference was held October 26-28, 2016, at the Lancaster County Convention Center. With more than 325 attendees, it was one of the most successful conferences to date. Initial planning has begun on EPA's National Brownfields Conference, scheduled to be held in Pittsburgh, PA, in December 2017.

Craig Robertson requested further guidance from the DEP regarding a mechanism for appointing alternate members to the CSSAB. Mr. Conrad will look into the matter and advise Mr. Robertson.

Several Board members inquired as to the status of former CSSAB member Chuck Campbell, whose term expired. To date, a re-appointment recommendation has not been received by DEP for Mr. Campbell. The terms of board members Mark Urbassik and Ron Buchanan have likewise recently expired. DEP will await re-appointment recommendations from the House Minority and Senate Minority, respectively, for Mr. Urbassik and Mr. Buchanan.

The draft minutes from the July 13, 2016, meeting were approved as final with no comments or revisions.

Joel Bolstein inquired about updates to the BECB with regard to the budget funding source. It was reported the current funding source for BECB staff salaries and operating budget will remain in-place for an additional 18-24 months. No additional news regarding this issue was noted at this time.

Mr. Bolstein also inquired about the CSSAB's possible involvement regarding the study of emergent contaminants perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) with respect to the Land Recycling Program. The general consensus from the Board was that the study of these emerging contaminants is still evolving and it is therefore premature to request the CSSAB to examine the issue. Mr. Bolstein suggests reconvening the Risk Assessment Subcommittee (chair: Annette Guiseppi-Elie) to investigate this matter further.

Feedback from Board on Draft Sections I, II, and III of TGM

Colleen Costello presented the Board's compiled comments for the draft TGM Sections I, I, and III (handout reviewed). The usage of Special Industrial Area (SIA) as a fourth cleanup standard under Act 2 was discussed. CSSAB suggested that SIA cleanups are performed solely to address existing contamination that poses an immediate, direct or imminent threat to public health or the environment, which is inconsistent with the intended reuse of that portion of the property, rather than cleanups to meet one of the three Act 2 standards (Statewide health standard, site-specific standard, or the background standard). CSSAB will work on providing DEP additional language for use in the TGM for the SIA standard.

CSSAB questioned why sediment was introduced under background standard cleanups in the TGM since there is no mention of the need to evaluate sediment in the background standard section of the Chapter 250 regulations or in Act 2. CSSAB requests further development of this reasoning in the revised TGM.

CSSAB agreed to provide language suggesting further clarification of the rationalization of the application of the 1/10th factor to the soil-to groundwater generic values.

Draft Sections V and VI of Technical Guidance Manual (TGM) Review and Discussion

Draft Section V of the revised TGM was originally distributed to all CSSAB members approximately two weeks prior to today's meeting. Mike Maddigan reviewed highlights and changes proposed in this section of the forthcoming revised manual. Noreen Wagner summarized revisions to the TGM concerning how Act 2 relates to regulated storage tank release sites. CSSAB did not have any formal comments regarding the draft Section V of the TGM at this time.

CSSAB requested further clarification from DEP regarding the need to capture separate phase liquid at the point of compliance of a site-specific standard cleanup with no risk of exposure.

General concern was expressed by the CSSAB on the lack of detailed interfacing between Act 2 and PCB cleanups and Oil & Gas cleanups in the revised Section V TGM draft.

Comments regarding CSSAB review of the draft Sections V and VI will be submitted to DEP by March 2017 for consideration. The CSSAB TGM Process Subcommittee may reconvene prior to March 2017 to compile comments for submission to DEP.

Technical Questions for the Board

- Confidence level of toxicity values – DEP/CSSAB discussion regarding provisional peer reviewed toxicity values (PPRTV); it was discussed that EPA's PPRTV may not be a reliable source on which to base the MSCs; DEP will review the PPRTV list and 'flag' low confidence values for future consideration and research.

- Pennsylvania Natural Diversity Index searches – may need expanded description of these searches in the TGM revision.
- Expedited rulemaking to correct Aldrin residential groundwater MSC – new Chapter 250 regulations were published with an incorrect value for Aldrin; DEP legal (Keith Salador) explained the expedited rulemaking process to correct the problem.

Meeting Adjourned at 2:40 p.m.