

Cleanup Standards Scientific Advisory Board
Meeting Minutes
May 7, 2013
9:00 to 2:00

CSSAB Members Present:

Annette Guiseppi-Elie
Craig Robertson
Joel Bolstein
Tina Serafini
Donald Wagner
Mark Urbassik
Chuck Campbell
Ronald Buchanan
Mark Smith

Environmental Protection Staff Present:

George Hartenstein
Troy Conrad
David Crownover
Tom Mellott
Frank Nemec
C. David Brown
Mike Maddigan
Brie Sterling
Mike Buchwach
Jessica Shirley

Others Present:

Colleen Costello

Call to Order

Chairman Ronald Buchanan called the Cleanup Standards Scientific Advisory Board (CSSAB) meeting to order.

The minutes from the Oct 28, 2011 meeting were approved, with the note that the Board did not reach a consensus on only addressing occupied structures for vapor intrusion.

LRP Program Update

Troy Conrad briefed the board on DEP and LRP program status.

Standard Operating Procedures

Troy Conrad and Tom Mellott briefed the board on the two new LRP SOPs

- Implementation of the Uniform Environmental Covenants Act
- Handling and reviewing notice of intent to remediate and report submissions

Chapter 250 Revisions

Troy Conrad, Dave Crownover, and Mike Maddigan updated the board on the proposed Chapter 250 revisions.

Changes to the text were discussed including the public notice requirement being submitted with the report and fees being waived for a correction of a deficiency within 14 days.

There are some changes to the Medium-Specific Concentration (MSC) tables, mainly due to updates in toxicity data. Changes included new calculations for trichloroethylene (TCE) (based on mutagenic factors) that do not change the MSC. It was agreed that MSCs for strontium will be added to the tables.

There was discussion of proposed language in Section 304 to not use Lifetime Health Advisory Levels (HALs) when the HAL is higher than the listed 10^{-4} cancer risk concentration listed in the table. This language poses a problem in that it suggests that the 10^{-4} cancer risk values listed in the table are intended to be used as HALs. The Bureau agreed to reconsider this proposed language.

The board members discussed the proposed MSC for methyl tert-butyl ether (MTBE), which is currently based on an odor threshold advisory, not a risk-based concentration as required by the statute. The Board members voted to object to the proposed MSC for MTBE based on the following language:

“By vote this date of the Board members present, the CSSAB passed the following resolution to the Pennsylvania Department of Environmental Protection (Department) and the Environmental Quality Board:

The CSSAB strongly supports the consistent use of the scientific methodology required by the Statute (Act 2 of 1995) and promulgated in the implementing regulations governing the Land Recycling Program in calculating medium-specific concentrations (MSC) for groundwater, including the use of this methodology to calculate the Groundwater MSC for methyl tertiary-butyl ether (MTBE).”

Vapor Intrusion

Dave Crownover reviewed the draft vapor intrusion language for the Statewide health standard (SHS) section of the Technical Guidance Manual (TGM).

Annette Guiseppi-Elie reviewed Indoor Air Quality (IAQ) subcommittee activities and discussed the “*Use of Non-Residential Screening Values for Environmental Media to Address Vapor Intrusion Into Indoor Air Under the Statewide Health Standard of Pennsylvania’s Land Recycling Program*” document prepared by the IAQ subcommittee.

Technical Guidance Manual

The TGM workgroup reviewed their recommendations concerning proposed revisions to the TGM. These recommendations were discussed by the board members. The Bureau will consider these recommendations when drafting revisions to the TGM.

Meeting Adjourned at 3:00