

# Soil Reference Value Revisions

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*Stakeholder Meeting*

*July 14, 2015*

*Dakota Lodge, West St. Paul*



- ▶ Risk-based site evaluation guidance
- Vapor intrusion
- Perfluorochemicals (PFCs)

RELATED TOPICS

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**MPCA seeks stakeholder input on revised Soil Reference Values**

**June 29, 2015: Draft revised SRV TSD and spreadsheets and draft BTVs**

-  Soil Reference Value (SRV) Technical Support Document (c-r1-05)
-  SRV Spreadsheet (c-r1-06)
-  SRV Spreadsheet - Site Specific (c-r1-07)
-  Background Threshold Value (BTV) Evaluation (c-r1-08)

MPCA's VIC, RCRA and Superfund programs are seeking stakeholder comments on the June 2015 version of the draft soil reference values (SRVs) and background threshold values (BTVs). The documents to be reviewed include:

- Revised SRV Technical Support Document (TSD)
- Two revised Remediation SRV spreadsheets
  - SRV Spreadsheet: SRVs applicable to all sites in Minnesota
  - SRV Spreadsheet – Site Specific: calculates site specific SRVs
- BTV Evaluation

**Please submit your comments to [SRVcomments.pca@state.mn.us](mailto:SRVcomments.pca@state.mn.us) by September 30, 2015.**

A stakeholder meeting will be held on Tuesday, July 14, 2015, (10 a.m. to noon) at the Dakota Lodge in West St. Paul (<https://www.co.dakota.mn.us/parks/Gathering/Weddings/Pages/dakota-lodge-map.aspx>). This meeting will specifically address use of the SRVs and BTVs by the VIC, RCRA and Superfund programs only. An agenda will be sent via GovDelivery prior to the meeting. MPCA would appreciate an RSVP if you plan on attending by emailing [SRVcomments.pca@state.mn.us](mailto:SRVcomments.pca@state.mn.us) with your organization, the number and names of people attending and a contact phone number by Friday, July 10, 2015.

These SRVs and BTVs are considered draft and are not to be used to evaluate sites at this time. The SRVs dated 6/2009 on the MPCA's Remediation website should continue to be used until the revised SRVs and BTVs are finalized.

The SRV technical support document is not intended to replace program specific soil investigation guidance. It is intended to describe the soil land use categories, methodology and exposure assumptions used to derive the SRVs and provide basic recommendations on what should be considered when using SRVs.

If you have questions or concerns, contact the MPCA at [SRVcomments.pca@state.mn.us](mailto:SRVcomments.pca@state.mn.us).

**Timeline for SRV revisions**



Keep you up to date, fax to 651-297-8676.



# Soil Reference Values (SRV) Revisions

- **Screening values derived for use at VIC, RCRA and Superfund sites based on EPA Superfund methodology**
  - **NOT clean-up values**
- **Periodically need to be updated to include new methods, toxicity values and chemical specific parameters**
  - **NOT in Rule**
- **Evaluate risks to humans from exposure to soil contamination on land**
  - **NOT to humans from sediment**
  - **NOT to ecological species from soil contamination on land or in sediments**



# Soil Reference Values (SRV) Revisions

- **SRV Technical Support Document (TSD) and SRV spreadsheets are developed to be applicable to the SRVs being used at Remediation sites**
  - **DO contain Remediation specific items**
  - **DO contain how the SRVs are derived**
  - **NOT program specific guidance**
  - **Other programs can and do use SRVs but will establish their own program specific guidance and if necessary their own spreadsheet**

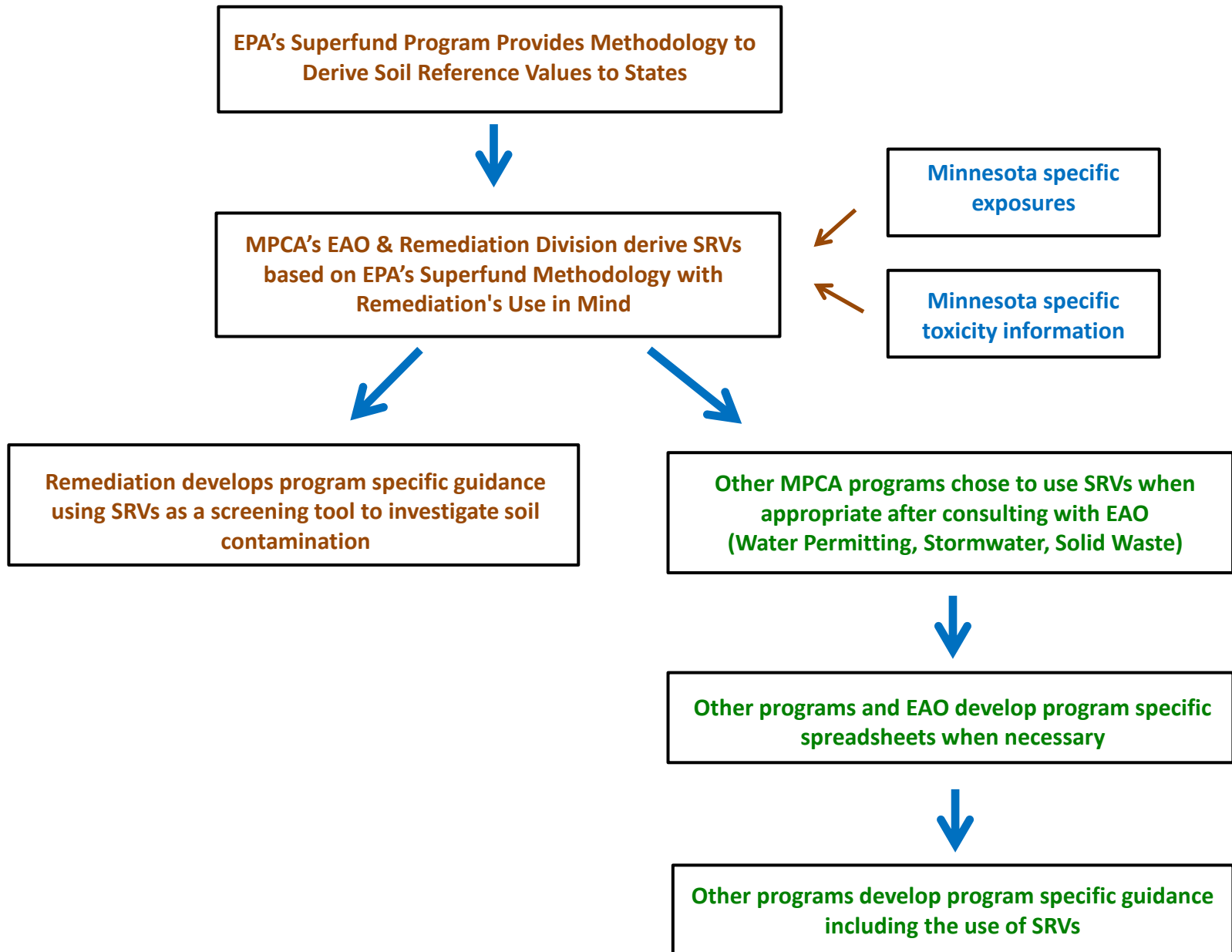


# Soil Reference Values (SRV) Revisions

- **Background Threshold Values (BTV)**
  - Estimate of the background level of a chemical in soil
- **Background**
  - Amount of a chemical that is present in soil **NOT** due to local anthropogenic sources
- **10 chemicals evaluated**
  - **7 Residential/Recreational SRVs below background levels**
    - Aluminum, arsenic, Cobalt, iron, thallium, vanadium, BaP equivalents
  - **2 Commercial/Industrial SRVs below background levels**
    - Arsenic, vanadium

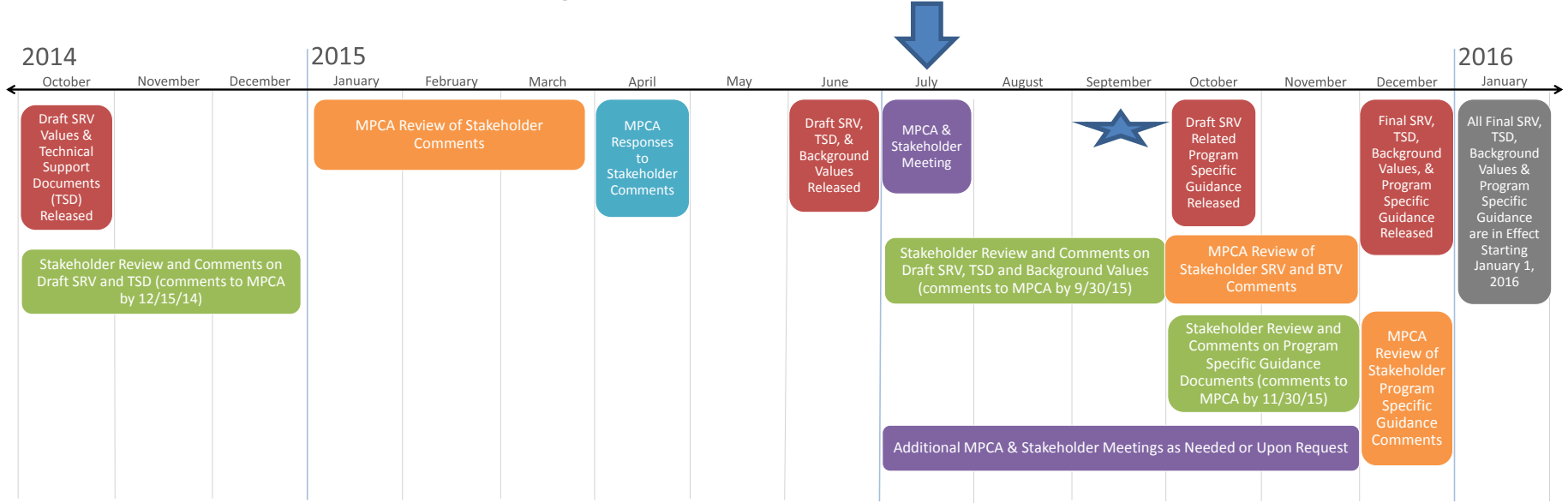


# Soil Reference Value (SRV) Derivation and Use



# Soil Reference Values (SRV) Revisions

## Remediation Program\* Soil Reference Value (SRV) Revision Timeline



\* Superfund, Site Assessment, VIC, RCRA Cleanup

