



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

AUG 11 2014

OFFICE OF
SOLID WASTE AND
EMERGENCY RESPONSE

OSWER 9283.1-45

MEMORANDUM

SUBJECT: Transmittal of the *Recommended Approach for Evaluating Completion of Groundwater Restoration Remedial Actions at a Groundwater Monitoring Well* and the *Groundwater Statistics Tool*

FROM: Robin H. Richardson, Acting Director
Office of Superfund Remediation and Technology Innovation

Reggie Cheatham, Director
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TO: Superfund National Policy Managers, Regions 1 – 10
Federal Facility Leadership Council

The purpose of this memorandum is to transmit the attached OSWER Directive 9283.1-44 entitled: *Recommended Approach for Evaluating Completion of Groundwater Restoration Remedial Actions at a Groundwater Monitoring Well*. In addition, this memorandum provides a link to and brief discussion about the *Groundwater Statistics Tool* which was developed in conjunction with the attached directive.

The document, the tool, and a user's guide for the tool are available on the Groundwater Remedial Action Completion webpage: <http://epa.gov/superfund/health/conmedia/gwdocs/remedial.htm>.

Recommended Approach for Evaluating Completion of Groundwater Restoration Remedial Actions at a Groundwater Monitoring Well

The purpose of this document is to recommend well-specific factors for EPA Regions to consider in evaluating the groundwater in each monitoring well for purposes of the recommendations discussed in *The Guidance for Evaluating Completion of Groundwater Restoration Remedial Actions*, OSWER 9355.0-129 (2013). The aforementioned guidance recommends evaluating contaminant of concern (COC) concentration levels on an individual well-by-well basis to assess whether aquifer restoration is complete. It states that, in general, EPA Regions should use monitoring well-specific conclusions to provide a technical and scientific basis supporting the Agency's conclusion that groundwater has met and will continue to meet COC cleanup levels to determine that a groundwater restoration remedial

action is complete. Both the attached recommended approach and the tool support evaluation of progress toward aquifer restoration and attainment of remedial action objectives and associated cleanup levels.

Groundwater Statistics Tool

The Groundwater Statistics Tool is designed to help evaluate COC concentrations on a well-by-well basis to determine whether a groundwater restoration remedial action is complete. The Groundwater Statistics Tool is an optional tool for use by EPA regions; use of the tool is not required. The tool is designed to support the *Guidance for Evaluating Completion of Groundwater Restoration Remedial Actions* and comports with principles outlined in the *Recommended Approach for Evaluating Completion of Groundwater Restoration Remedial Actions at a Groundwater Monitoring Well*. The tool is a Microsoft Excel workbook that is intended to evaluate data for a single COC at a single well.

If you have any questions on either the document of the tool, please have your staff contact Kate Garufi at garufi.katherine@epa.gov or (703) 603-8827 or David Bartenfelder at bartenfelder.david@epa.gov or (703) 603-9047.

Attachments

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