

WASTE MANAGEMENT AND RADIATION CONTROL BOARD  
 Executive Summary  
 REQUEST FOR A SITE-SPECIFIC TREATMENT VARIANCE  
 EnergySolutions LLC  
 June 9, 2016

<p><b>What is the issue before the Board?</b></p>	<p>This is a request from EnergySolutions for a site-specific treatment variance from the Utah Hazardous Waste Management Rules to dispose of waste containing hazardous constituents and PCBs as an Underlying Hazardous Constituents.</p>
<p><b>What is the historical background or context for this issue?</b></p>	<p>This variance is being requested for approximately five tons of waste generated at the Clive Mixed Waste Facility (site-generated waste) that may be circumstantially contaminated with PCBs from operations at the site. Examples of site-generated wastes include baghouse dust, sump clean-out material, and decontamination sludges. Site activities involving PCBs include, but are not limited to, repackaging waste containers and shredding PCB capacitors.</p> <p>Analysis of site-generated waste over the last year has detected PCB concentrations up to 268 ppm (mg/kg). The UTS concentration for PCBs is 10 mg/kg. Over the past several years, approximately 13 tons of this type of waste was generated and treated at the Clive Facility. Analytical data demonstrated that all contaminants, except PCBs, met treatment standards in these treatment runs. EnergySolutions has many years' of data demonstrating that the treatment formulas developed for site-generated waste has successfully treated the waste.</p> <p>The Mixed Waste Cell is a permitted hazardous waste landfill permitted by the State of Utah. Consequently, if the PCB waste did not carry RCRA hazardous waste codes, but contained the same PCB concentrations, it could be disposed in this cell without additional treatment.</p> <p>A notice for public comment was published in the <i>Salt Lake Tribune</i>, the <i>Deseret News</i> and the <i>Tooele County Transcript Bulletin</i> on May 3, 2016. The comment period began May 3, 2016 and will end June 3, 2016.</p>

<b>What is the governing statutory or regulatory citation?</b>	Variances are provided for in 19-6-111 of the Utah Solid and Hazardous Waste Act. This is a one-time site-specific variance from an applicable treatment standard as allowed by R315-268.44 of the Utah Administrative Code.
<b>Is Board action required?</b>	Yes, this is an action item before the Board.
<b>What is the Division/Director's recommendation?</b>	The Director recommends approval of this variance request based on the following findings: the proposed alternative treatment method meets the regulatory basis for a variance, will be as safe to human health and the environment as the required method, and the rules would allow for direct disposal of this waste if it only contained the PCB contaminants.
<b>Where can more information be obtained?</b>	<p>For technical questions, please contact Otis Willoughby (801) 536-0220.</p> <p>For legal questions, please contact Raymond Wixom at (801) 536-0290.</p>