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STATE OF COLORADO

John W. Hickenlooper, Governor
Larry Wolk, MD, MSPH
Executive Director and Chief Medical Officer

Dedicated to protecting and improving the health and environment of the people of Colorado

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Colorado Department
of Public Health
and Environment

November 15, 2013

Rob Laird, Resource Manager
Asphalt Specialties Company, Inc.
10100 Dallas Road
Henderson, Colorado 80640

RECEIVED
NOV 27 2013
DIVISION OF RECLAMATION
MINING AND SAFETY

RE: Final Determination: **Approval with Conditions**
Requests to Reduce Ground Water Monitoring Frequency and Analytes
Speer Inert Landfill
Adams County, Colorado
SW/ADM/SPE 4.3

Dear Mr. Laird:

Via electronic mail on April 16, 2013, the Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division (Division), received from Asphalt Specialties Company, Inc. (Asphalt Specialties) a Request to Reduce Ground Water Monitoring Frequency (Frequency Reduction Request) (Asphalt Specialties 2013a) for two up-gradient ground water monitoring wells (MW3-AS, MH-9) and two down-gradient ground water monitoring wells (MH-10, MH-11) at the Speer Inert Landfill in Henderson, Colorado. Asphalt Specialties prepared the Frequency Reduction Request (Asphalt Specialties 2013a), which is dated April 15, 2013, and the Division received a hard copy of the Frequency Reduction Request (Asphalt Specialties 2013a) on April 19, 2013.

The Frequency Reduction Request (Asphalt Specialties 2013a) states that, consistent with Appendix B4 (B) of the Regulations Pertaining to Solid Waste Sites and Facilities, 6 CCR 1007-2, Part 1 (Solid Waste Regulations), background concentrations have been established by collecting eight (8) quarterly samples from each well and analyzing each sample for Appendix IA and IB constituents. The sample results summarized in the Frequency Reduction Request (Asphalt Specialties 2013a) indicate that each sample from each well met the appropriate regulatory requirements, with most analytes indicating no detection. Therefore, Asphalt Specialties is requesting Division approval of a reduction in the frequency of ground water monitoring for each well from quarterly (i.e., four times per year) to semi-annual (i.e., twice per year) starting after the date of the collection of the eighth quarterly samples. In addition, as noted below, Asphalt Specialties is requesting Division approval of a reduction in the number of analytes to be sampled and tested.

Mr. Rob Laird

Final Determination: **Approval with Conditions** of Requests to Reduce Ground Water Monitoring Frequency and Analytes,
Speer Inert Landfill, Adams County, Colorado

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Via electronic mail on October 23, 2013, the Division received from Asphalt Specialties a Request to Reduce Ground Water Monitoring Analytes (Analyte Reduction Request) (Asphalt Specialties 2013b) for the two up-gradient ground water monitoring wells (MW3-AS, MH-9) and the two down-gradient ground water monitoring wells (MH-10, MH-11) at the Speer Inert Landfill. Asphalt Specialties prepared the Analyte Reduction Request (Asphalt Specialties 2013b), which is dated October 23, 2013, and the Division received a hard copy of the Analyte Reduction Request (Asphalt Specialties 2013b) on October 25, 2013.

The Analyte Reduction Request (Asphalt Specialties 2013b) states that, consistent with Appendix B4 (B) of the Solid Waste Regulations, the sample results summarized in the Analyte Reduction Request (Asphalt Specialties 2013b) indicate that each sample from each well met the appropriate regulatory requirements, with most analytes indicating no detection. Therefore, Asphalt Specialties is requesting the Division to approve a reduction in the number of analytes to be sampled and tested, with the analytes to be consistent with those associated with the solid waste received at the Speer Inert Landfill.

Based on our review and determination, the Division hereby **approves** the two Requests (Asphalt Specialties 2013a and 2013b) subject to the following **conditions**:

1. At a minimum frequency, the Speer Inert Landfill must sample and test for the approved list of analytes on a semi-annual basis (i.e., twice per year).
2. At a minimum, the Speer Inert Landfill must sample and test for the following reduced list of analytes:
 - BTEX (Benzene, Ethyl Benzene, Toluene, Xylene). Please note that these were proposed by the Speer Inert Landfill.
 - The Eight (8) Resource Conservation and Recovery Act (RCRA) Metals (Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver). Please note that these were proposed by the Speer Inert Landfill.
 - The Four Cations (Calcium, Magnesium, Potassium, Sodium). Please note these are requested by the Division.
 - Four of the Anions (Bicarbonate, Carbonate, Chloride, Sulfate). Please note these are requested by the Division.

Please note that the above-referenced requests may be subject to review and approval by other entities such as Adams County and the Tri-County Health Department as well as State Agencies such as the Division of Reclamation, Mining, and Safety; Division of Water Resources; and Air Pollution Control Division.

Should future ground water analytical data for any on-site ground water monitoring well indicate a statistically significant increase, Asphalt Specialties must notify the Division in accordance with Appendix B4 (C) of the Solid Waste Regulations and propose a course of action for the affected ground water monitoring well or wells.

Mr. Rob Laird

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The Division is authorized to bill for its review of technical submittals at \$125 per hour, pursuant to Section 1.7 of the Solid Waste Regulations. An invoice for the Division's review of the subject document will be sent under separate cover. You can find the Division's fees and billing ceilings at the Division's web site here:

<http://www.colorado.gov/cs/Satellite/CDPHE-Main/CBON/1251607568997>


Should you have questions regarding this determination, please contact Doug Eagleton at 303-691-4065, Douglas.Eagleton@state.co.us; Andy Todd at 303-691-4049, Andrew.Todd@state.co.us; or Roger Doak at 303-692-3437, Roger.Doak@state.co.us.

Andy Todd is a recent addition to the Solid Waste Permitting Unit and henceforth will provide oversight for Adams County. Thus, Mr. Todd will be the main point of contact for the Speer Inert Landfill. Mr. Eagleton will be available to assist as needed.

Sincerely,



Doug Eagleton, P.E.
Solid Waste Permitting Unit
Solid Waste and Materials Management Program
Hazardous Materials and Waste
Management Division



Andy Todd, P.E.
Solid Waste Permitting Unit
Solid Waste and Materials Management Program
Hazardous Materials and Waste
Management Division

cc:	Christopher La Rue	–	Adams County Planning & Development Department
	Craig Tessmer	–	Adams County Planning & Development Department
	Deanne Kelly	–	Tri-County Health Department
	Dana Podell	–	Air Pollution Control Division
	Tyler O'Donnell	–	Division of Reclamation, Mining, and Safety
	Ioana Comaniciu	–	Division of Water Resources
ec:	Brian Long	–	Division Solid Waste Compliance Assurance Unit

STATE OF COLORADO

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