ASH GROVE CEMENT COMPANY
CADENCE CHEM-FUEL® SURVEY FORM

A CUSTOMER INFORMATION

FACILITY ADDRESS (Manifest Address)	BILLING ADDRESS ☐ Third Party of Broker
Company Name:	Company Name:
Street:	Street or PO Box:
City: State: Zip:	City: State: Zip:
Nature of Business:	
Federal EPA No. SIC Code(s)	**or** NAICS Code(s)

B CHEM-FUEL® INFORMATION

Chem-Fuel® Description:

Process Description:

Benzene NESHAP Notification Required
☐ YES ☐ NO

C PHYSICAL DESCRIPTION

Physical State ☐ Liquid ☐ Semi-solid ☐ Solid
Color _____ pH _____
Layers ☐ One ☐ Two ☐ Three
Viscosity @ Temperature _____ cP @ _____ºF

D CHEM-FUEL® COMPOSITION (vol %)

	Min	Max	Typical
Water			
Nonvolatile Material			
Settled Solids			

E CHEM-FUEL® VOLUME, FREQUENCY and MODE OF TRANSPORT

Estimated Volume: _____ ☐ One Time ☐ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly
☐ Gallons ☐ Tons ☐ Railcar ☐ Tanker Truck ☐ Roll-Off ☐ Vac Box ☐ Other _____

F RESTRICTED, PROHIBITED OR SPECIAL SUBSTANCES

Check all of the following substances which may be in the Chem-Fuel®	Identify if present	Amount	Units
☐ Materials used exclusively as pesticides, herbicides, insecticides, etc.			
☐ OSHA carcinogens above exclusion levels			
☐ Toxic components with OSHA PEL or ACGIH TLV <2ppm or 8 mg/m^3			
☐ Toxic metals			
☐ TSCA regulated substances (PCB, PBB)			
☐ Reactive components (sulfides, cyanides, shock sensitives, pyrophorics)			
☐ Water reactive components (isocyanates, acid chlorides, anhydrides, etc.)			
☐ Biological hazards (infectious agents, etc.)			

☐ None of the above ☐ Special handling required

G DOT HAZARDOUS MATERIAL DESCRIPTION

Proper DOT Shipping Name:

Hazard Class: _____ Number: _____ PG #: _____
☐ Not a DOT Hazardous Material

H EPA HAZARDOUS WASTE DESCRIPTION

Primary Waste Codes listed on manifest:

Other: _____
☐ See attachment
☐ Not an EPA Hazardous Waste

I CUSTOMER CERTIFICATION

To the best of my knowledge, this is an accurate description and the sample submitted is representative of the Chem-Fuel®

Name: Title:

Signature: Date: Phone:

Comments:

ASH GROVE CEMENT COMPANY

INSTRUCTIONS FOR CHEM-FUEL® SURVEY

This survey has been specifically designed to provide Ash Grove Cement Company (Ash Grove) and Cadence Environmental Energy Inc. (Cadence) with information necessary to transport, recycle, treat and/or store your material in full compliance with state and federal regulations.

A separate survey is required for each waste stream. A revised survey must be submitted (1) whenever there is a change in the characteristics of the Chem-Fuel® or a change in process which might result in a change in Chem-Fuel® characteristics; or (2) there is a change in state or federal regulations which changes the regulated status of the Chem-Fuel® or any constituents. The survey must be submitted to the appropriate Cadence Technical Services Laboratory along with a sample and approved through Ash Grove's and Cadence's internal review process. No material can be received by Ash Grove Cement Company unless specifically authorized by an approved survey and Ash Grove Qualification.

ANSWERS MUST BE PROVIDED FOR ALL QUESTIONS AND ITEMS ON THE ATTACHED FORM. Remove instruction pages and print (in pen only) or type the answers (or check boxes) so that all pages are legible. If additional information nis submitted to complete an answer, indicate on the form that there are attachments. (See section H.)

A representative sample of the Chem-Fuel® must be submitted with each survey in the appropriate quantity;

Bulk Liquids shipping via Tanker Truck or Railcar .....32 oz.

Bulk Solids/sludges shipping via Roll-Off or Vacuum Box.....32 oz.

Proper sampling methods may be found in "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods" EPA publication SW-846. This sample must be packaged, labeled and shipped in accordance with all applicable regulations.

When the survey has been completed, please retain a copy with your records. Return the original to the following laboratory:

CADENCE TECHNICAL SERVICES LABORATORY
4454 Highway 108
Foreman, AR 71836
ATTN: Mike Surber – Technical Manager
Phone: 870.542.3092 or 870.542.3093
Fax: 879.542.7447

MAKE SURE THAT THE SURVEY IS FILLED OUR CORRECTLY AND A PROPERLY COMPLETED LABEL IS APPLIED TO THE SAMPLE CONTAINER. MAKE SURE THAT THE SAMPLE AND SURVEY ARE SUBMITTED TOGETHER.

SEE FOLLOWING PAGES FOR IMPORTANT INSTRUCTIONS. FOR MORE INFORMATION, CALL MIKE SURBER AT THE CADENCE TECHNICAL SERVICES LABORATORY AT (870)542-3093 OR VIA E-MAIL AT MSURBER@CADENCEENVIRONMENTAL.COM

A – CUSTOMER INFORMATION

Company Name – Name exactly as used on all official documents and correspondence.

Facicity Address – Physical address used on the manifest. No PO Boxes.

EPA I.D. Number – The unique 12-digit number for the facility or location where the material is generated. For spill situations, an Emergency Temporary Identification Number may be obtained through regional offices of the U.S. EPA.

Billing Company Name – Name exactly as used on all official documents and correspondence.

Billing Address – Street Address or PO Box of the location to send billing.

Nature of Business – General description of business of waste generator.

SIC or NAICS Code(s) – The SIC or NAICS code(s) for the waste generating facility must be included.

Third Party or Broker – Check the box if billing is to be sent to a location other than the waste generator.

B – CHEM-FUEL® INFORMATION

Chem-fuel® Description – The description generally identifies the nature of the Chem-Fuel® (e.g., Liquid Waste Derived Fuel (LWDF), Solid Waste Derived Fuel (SWDF), Bulk SWDF, petroleum refinery waste, etc.).

Process Description – A brief generic description of process generating material (e.g., API separator sludge from petroleum refining, fuel blending, etc.). Description should be sufficiently complete to allow comparison with EPA process descriptions in 40 CFR 261.31 and 32, when applicable.

C – PHYSICAL DESCRIPTION

Physical State – The physical state at room temperature. If the Chem-Fuel® changes physical state with varying temperatures, indicate the change in the Comments line of section I.

D – CHEM-FUEL® COMPOSITION

The primary Chem-Fuel® components, preferably chemical names. Indicate the minimum, maximum and typical concentration of each component. Be sure to include any water, nonvolatile material (such as dissolved solids, resins, oils, etc.) and settled solids. Material Safety Data Sheets (MSDS) from suppliers may help provide this information.

E – CHEM-FUEL® VOLUME, FREQUENCY and MODE OF TRANSPORT

Indicate the volume of the waste stream, as well as the frequency of shipments. Mark the appropriate check box to indicate the type of container that will be used for delivery of the waste stream.

F – RESTRICTED, PROHIBITED OR SPECIAL SUBSTANCES

These substances may represent special hazards under certain circumstances, even to personnel opening samples in the lab. Identify any potential for the presence of these substances in the Chem-Fuel®. Review MSDS and shipping documents to obtain this information. Generally, companies handling these types of substances are already aware of the special handling required. Be certain to check "None of the above" if none of these substances are present. Check at least one box.

THE FOLLOWING LISTS ARE ONLY EXAMPLES AND DO NOT INCLUDE ALL RESTRICTED, PROHIBITED OR SPECIAL SUBSTANCES.

Pesticides – Compounds used exclusively to destroy or inhibit plant or animal pests, including pesticides, insecticides, herbicides, rodenticides, miticides, etc. These materials are registered under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

OSHA Carcinogens – Known human carcinogens as designated by the Occupational Health and Safety Administration in 29 DFR 1910.

87OSHA Carcinogen	Exclusion Level	87OSHA Carcinogen	Exclusion Level
Acetylaminofluorene, 2-	1.0%	Ethylene Oxide	NA
Acrylonitrile	NA	Methyl Chloromethyl Ether	0.1%
Arsenic, Inorganic	NA	Methylene bis (2-Chloroaniline), 4,4-	1.0%
Benzidine	0.1%	Naphthylamine, 1-	1.0%
Chloromethyl Ether, bis-	0.1%	Naphthylamine, 2-	0.1%
Dibromo-3-chloropropane, 1,2-	NA	Nitrobiphenyl, 4-	0.1%
Dichlorbenzidine, 3,3-	0.0%	Nitrosodimethylamine, -	1.0%
Dimethylaminoazobenzene, 4-	1.0%	Propiolactone, beta	1.0%
Ethylenimine	1.0%	Vinyl Chloride Monomer	NA

Toxic Components – Substances that have extremely low exposure limits. These limits are assigned by OSHA as Permissible Exposure Levels (PELs) or by American Conference of Governmental and Industrial Hygienists (ACGIH) as Threshold Limit Values (TLV's). Common substances having an OSHA PEL or ACGIH TLV less than 2ppm or 8mg/m^3 are listed below.

Acrolein	Dimethylsulfate	Isocanates
Allyl Chloride	Dinitrotoluene	Mercaptane
Allyl Alcohol	Ethylene Dibromide	Methyl Isocyanate
Anisidine	Etylene Glycol Dinitrate	Methylene Dianiline, 4,4-
Benzoquinone	Formaldehyde	Pentachlorophenol
Bromoform	Hexachlorocyclopentadiene	Propylene Glycol Dinitrate
Diazomethane	Isocyanates	Toluene Diisocyanate
Dicholoropropene	Hexachloronaphthalene	

Toxic Metals – Metals which are either highly toxic and volatile under certain conditions such as arsenic, beryllium, cadmium, chromium, lead or mercury.

TSCA – Polychlorinated biphenyls (PCBs) and polybrominated biphenyls (PBBs) whose disposal is regulated under the Toxic Substances Control Act.

Reactive Components – Materials which may decompose or react adversely with other common compounds (e.g., monomers, sulfides, cyanides, shock sensitives, pyrophorics, oxidizers or organic peroxides, etc.).

Water Reactive Components – Any materials that react with water to give off heat, fumes or gases (e.g., isocyanates, acid chlorides, anhydrides, etc.).

F – RESTRICTED, PROHIBITED OR SPECIAL SUBSTANCES (continued)

Water Reactive Components – Any materials that react with water to give off heat, fumes or gases (e.g., isocyanates, acid chlorides, anhydrides, etc.).

Biological Hazards – Materials which are special hazards to humans such as infectious agents.

None of the Above – Check this box if the Chem-Fuel® does not contain any of the above substances.

Special Handling Required – Special procedures required to safely handle the Chem-Fuel®.

G – DOT HAZARDOUS MATERIAL

This description must exactly match the one which will be used on the shipping papers. Department of Transportation (DOT) regulations are contained in 49 CFR. Please include the Emergency Response Guidebook Number.

H – EPA HAZARDOUS WASTE DESCRIPTION

If the Chem-Fuel® is an EPA Hazardous Waste, indicate the waste code(s) that will be listed on the manifest. Environmental Protection Agency (EPA) regulations are contained in 40 CRF. If there are more than six waste codes associated with the waste stream, either list them in the Other section of Primary Waste Codes or on a Separate Attachment.

I – CUSTOMER CERTIFICATION

This certification must be performed by an authorized employee of the company whose EPA ID Number is identified in Section A. Be certain to complete all sections.