

Division of Materials Management

Beneficial Use Determination Petition – Cement Kiln Feedstock

Instructions and Notes to Petitioner:

For Department use only		
Date Petition	Received	
mm dd	УУУУ	
NYSDEC BUI	D Petition Number	
NYSDEC Reviewer (Initial. Last Name, CO / RO#)		,
Response Da	te	
mm dd	уууу	
		•

- This form must be completed by a generator or potential user seeking a case-specific Beneficial Use Determination (BUD) for the use of a regulated solid waste as a cement kiln feedstock, pursuant to Part 360.12(d).
- 2. Petitions for a Cement Kiln Feedstock BUD will ONLY be reviewed for materials that are non-hazardous, non-putrescible, and non-regulated medical wastes ready to be fed into a kiln upon delivery; that are a useful source of one or more of the mineral ingredients of Portland cement; that have COC concentrations that pass TARs evaluation, and that have an existing or reasonably probable market in New York State.
- 3. Unless specifically requested in the petition and approved, these BUD materials cease to be considered as solid waste, pursuant to 6 NYCRR 360.12(d)(4), upon arrival at the cement manufacturing facility.
- 4. Submission of this form does not satisfy any applicable federal, state, or local approval requirements for the beneficial use of this material.

	В	UD Petitioner / C	ontact Informati	ion	
Petitioner Name and		,			
Title:	Last	First	M.I.		Title
Petitioner Affiliation:					
	Company Name				
Petitioner Mailing Address:	Street Address				City/Town
	County				Zip Code
Petitioner Phone:	()		Petitioner Email	:	
Petitioner type:	■ Waste Gene	erator 🔲 BUD i	Material User	Other	
Contact Name and		-			
Title: Same as Petitioner, skip to BUD Petition Information	Last	First	M.I.		Title
Contact Affiliation:	Company Name				
Contact Mailing Address:	Street Address				City/Town
	County				Zip Code
Contact Phone:	()		Contact Email:		
		BUD Petitio	n Information		
Petition Type:	☐ New Petition ☐	Modification	Renewal without	Modifica	ation 🔲 Renewal with Modification
Petition Duration Requested:	One Time Use Short Term Use Continuous Process/ Permanent (5 years) ¹ Start Date: mm / dd / yyyy End Date: mm / dd / yyyy Notes: 1. The maximum duration for which a BUD will be granted is 5 years. For continuous processes, a renewal petition must be submitted no less than 90 days prior to the expiration date of the BUD, as defined in the BUD conditions. 2. For BUDs that also require other NYSDEC permits such as Part 360, Air or SPDES permits, a renewal petition must be submitted at the same time as a permit renewal application.				

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	Regulated Solid Waste Informa	ation
	Describe the regulated solid waste to be beneficially used, as re	required by 6NYCRR Part 360.12(d)(2)(i).
Description of	Alumina substitute: ☐ Spent Refinery Catalyst ☐ Al	•
Regulated		Filter Cake
Waste:		ana Class Wast 🗏 Others
	Silica substitute: Petroleum-contaminated Soil Off- Iron substitute: Spent Abrasive Other	·
	Calcium substitute:	
Source of		
Regulated	Facility Name(s)	Facility Type(s) (i.e. WWTP, type of manufacturer, etc.)
Waste Generation:	Facility Location(s) (Street Address, 7	Town NVS County(ies))
Fatimatad	r acinty Eccation(S) (Street Address,	Town, NTS County(less))
Estimated Beneficial Use		
Quantity:	include units (cy/yr, tons/yr))	
Point of Regulated	■ Manufacturing Facility ■ Other (describe):	
Waste Cessation:	Facility Name(s) and Add	dress(es))
Cessation.	□ Part 364 Permit(s) in effect □ Waste control plan at	ttached
	Describe the chemical and physical characteristics of the waste (Note any significant variability of characteristics in waste gene	
	Waste analyzed for COCs: Total Priority Pollutant Metaler	
Description of	Waste is non-hazardous for COCs: Sb, As, Be, Cd, Cr	
Regulated	COCs have direct value in the process? No Yes: Expla	
Waste Characteristics:	■ Waste analyzed for alumina (%) silica (
Characteristics.	□ Waste is non-putrescible □ Waste is non-medical □ V	
	Analyses conducted by NYSDOH ELAP-certified lab irLab reports are attached in a format acceptable to NYS	
	☐ Sampling plan (COCs, frequency, test methods, etc.) to pe	
		enoulcany sample / analyze waste is attached.
	BUD Material Information	
Description of BUD Material	Describe how this material will be beneficially used by being tra an effective substitute for an analogous raw material, and requi or processing prior to addition to a commercial process, as requ	ires no decontamination or other special handling
Processing and Final Usable Product:	Raw material mineral substitute for cement: □ Alumina □ Silica □ Calcium □ Iron □ Other:	
	Feed rate required by cement manufacturer for the m	nineral to be substituted (tons/day):
List NYSDEC	■ Waste Transporter Permit ¹ ■ SW Facility Permit	■ SW Facility Registration ■ Air permit
Permitting Required for Processing BUD Material:	□ SPDES permit □ Other/status:	
	¹ Unless requested and granted a different point of waste cessa beneficial use is considered solid waste until the point of use in required for transportation.	ation, regulated waste that is transported for a processing; therefore, a current Part 364 permit is
Location(s) of		Cement Manufacturer
Beneficial Use Processing in	Facility Name(s)	Facility Type(s) (i.e., type of manufacturer, etc.)
NYS:	Facility Location(s) (Street Address(e.	es). Town(s), County(ies))

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End Use Product Information				
		Describe the chemical and physical characteristics of the proposed product, as required by 6NYCRR Part 360.12(d)(2)(iv). (Note any significant variability of characteristics in product generated throughout the year.)		
		Product has same characteristics as waste (SKIP to Demonstration of Market section)		
	ription of	☐ Product analyzed for: ☐ Total Priority Pollutant Metals ☐ Organics/ Other:		
	osed End Product acteristics:	COCs have direct value in the product? No Yes: Explain		
		Product meets ASTM C 150 and CSA A3000-03		
		☐ Analyses conducted by NYSDOH ELAP-certified lab in accordance with NYSDEC ASPs		
		☐ Lab reports are attached in a format acceptable to NYSDEC		
		☐ Sampling plan (COCs, frequency, test methods, etc.) to periodically sample / analyze product is attached.		
		Demonstrate an existing or reasonably certain market for the proposed product, as required by 6NYCRR Part 360.12(d)(2)(vi) & (3)(v), by providing one or more of the following: a contract to purchase the proposed product, a demonstration that the proposed product meets industry standards and specifications, or other documentation that a market for the proposed product exists.		
	onstration arket:	Cement Company:		
OI IVIC		Company/ Facility Name(s) and Address(es)		
		Supporting documentation (as described above) attached N/A		
		Waste Control Plan		
Waste Control		Demonstrate that the management of this waste will not adversely affect human health and safety, the environment, and natural resources by providing a waste control plan, as required by 6NYCRR Part 360.12 (d)(2)(vii)(a).		
		usste control plan attached		
		Signature and Verification		
		Donsible Company Official (NOTICE: Pursuant to ECL Section 3-0301(2)(Q): False statements made on punishable pursuant to Section 210.45 of the New York State Penal Code.)		
		mm/dd/yyy		
Signature		Date		
Printe	Printed Name and Title of Responsible Company Official			
Verifi	cation			
	All fields of the application are complete (indicate N/A if appropriate).			
	Application is	signed and dated above.		
	Record of Compliance Form attached			

Send this completed petition form and any supporting attachments, such as a completed waste control plan form (next page), to the **Materials Management Supervisor** in your DEC Region (for Regional Office contact information, see http://www.dec.ny.gov/about/558.html), with a copy to:

Kathleen Prather, P.E.

NYSDEC Division of Materials Management Bureau of Solid Waste Management

625 Broadway, 9th Floor

Albany, NY 12233-7260

Please contact Ms. Prather at (518) 402-8678 or benuse@dec.ny.gov if you have any questions about petitioning for a case-specific BUD.

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	Cement Kiln Feedstock Waste Control Plan
Сє	ement Company Facility:
	Company/ Facility Name and Address
1.	List source(s) of the regulated solid waste under review, as required by 6NYCRR Part 360.12(d)(2)(iii).
	Contractual agreements between regulated waste supplier and BUD material processor: attached N/A
	Facility Name(s) Facility Type(s) (i.e. WWTP, type of manufacturer, etc.)
	Facility Location(s) (Street Address, Town, NYS County)
2.	List the procedures for periodic testing (and analysis) of the regulated solid waste and of the proposed product, including frequency, to ensure that the composition of the product would not be significantly different than that of the granted BUD, as required by 6NYCRR Part 360.12(d)(2)(vii)(a)(1).
	■ Regulated waste and proposed product composition will remain uniform and require no testing. Describe:
	Waste analysis annually for: Total priority pollutant metals (EPA SWA 46 Method 6010B (EPA Method 7471 for mercury))
	Organics / Other (COCs, Method:
	Product analysis annually for: Total priority pollutant metals (EPA SWA 46 Method 6010B (EPA Method 7471 for mercury))
	☐ Organics / Other (COCs, Method:)
3.	Describe the type of storage to be in-place (e.g., tank or pile) and the maximum anticipated inventory (not to exceed 90 days' worth) before the BUD material will be used, as required by 6NYCRR Part 360.12(d)(2)(vii)(a)(2). No storage will be in-place.
	☐ List storage types (e.g., tank or pile) and maximum anticipated inventory:
	Storage Type: Maximum Inventory: (tons/ # days' worth)
	Storage Type: Maximum Inventory: (tons/ # days' worth)
	□ Additional storage types attached as page(s) of this plan.
4.	Describe procedures, including system to be in-place, for run-on and run-off control of rainwater or other liquids for the BUD material storage areas, as required by 6NYCRR Part 360.12 (d)(2)(vii)(a)(3).
	□ No run-on and run-off control needed
	List the procedures for run-on and run-off control of the storage areas:
	☐ Additional procedures attached as page(s) of this plan.
5.	Describe the best management practices (BMPs) to be in-place to prevent loss or dispersion of the BUD material during storage and/or beneficial use, as required by 6NYCRR Part 360.12 (d)(2)(vii)(a)(4).
	 Other BMPs attached as page(s) of this plan BMPs implementation schedule attached as page(s) of this plan

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