

January 6, 2020

GC / Arch / Eng
 Address 1
 Address 2
 City, State Zip Code

Re: LEED BPDO Environmental Materials Reporting Form
 RMC Company
 Project Name, Location (suggestion to identify project on LEED directory)

Dear Point of Contact,

Please find a summary of RMC Company’s listed products and contribution to the referenced LEED project.

Ready-mixed concrete has a distinct advantage over other building materials due to its ease of use, durability, resilience, thermal mass, sculpts to any shape and proximity to project sites. Each attribute can contribute to sustainable design criteria and influence the project’s environmental footprint throughout its service life.

The following is a summary table to demonstrate concrete products contribution to LEED criteria for this project.

Product (mix code)	MR: EPD	MR: Sourcing of Raw Materials			MR: Material Ingredients	MR: Regional Material w/in 100 miles	EQ: Low-emitting material - Volatile Organic Compounds (VOCs)	Cost \$
	IW / Prod Specific (PS)	Supply Chain Certification (Y/N)	RC Post (%)	RC Pre (%)	Inventory to 1000 ppm (Y/N)	Extract. & Mfg. (Y / N)		
#	IW/PS	Y/N	%	%	Y/N	Y/N	USGBC deems concrete an inherently low emitting material and therefore no emission testing is required.	\$
#								
#								
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Please see additional sections that provide details regarding LEED criteria and concrete products.

1.0 Environmental Product Declarations: Life-cycle information is available that discloses environmentally, economically, and socially impacts from manufacturing and transporting concrete products.

Product (mix code)	Option 1: Environmental Product Declaration		Option 2: Multi-Attribute Optimization	Cost \$
	EPD Program Operator	EPD/LCA Type	Type of Reduction	
#	NSF Certification, LLC	IW/generic EPD	* This section is only for those w/ PS EPD. Call to discuss criteria.	\$
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Details pertaining to environmental impacts per product/mix code are publicly available, whereas

OPTION A:

RMC Company participated in the National Ready-Mixed Concrete Association’s IW-EPD/generic EPD. Below are links to the verified EPD, and a directory of industry plants with RMC Company as a participant:

- IW-EPD: <http://info.nsf.org/Certified/Sustain/ProdCert/EPD10294.pdf>
- Directory of participants: <https://www.nrmca.org/sustainability/EPDProgram/search/>

OPTION B:

Appendix A specifically lists environmental impacts of proposed mix designs for this LEED project.

2.0 Responsible Sourcing: Identifying and managing environmental, social and governance practices of supply chain partners. This includes sustainable supply chain certifications and recycled content. Concrete utilizes waste products from other industries as an important ingredient, such as fly ash and slag. These byproducts are supplementary materials for cement and can reduce the environmental impact (see EPD).

Product (mix code)	Supply chain certification	Recycled Content (Pre/Post-Consumer %)		Cost \$
		RC Post (%)	RC Pre (%)	
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#				
#				
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3.0 Material Ingredients: Selecting products for which the chemical ingredients in the product are inventoried using an accepted methodology and for selecting products verified to minimize the use and generation of harmful substances.

Product (mix code)	Option 1: Material Ingredient Reporting		Option 2: Type of Optimization Report	Cost \$
	Type of Report (1000 ppm)	3 rd Part Verified	Certification Program	
#	C2C, Declare, HPD, etc.	Y/N	* This section is only for those w/ PS health hazard disclosures. Call to discuss criteria.	\$
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4.0 Low-Emitting Materials: USGBC deems concrete an inherently low emitting material and therefore no emission testing is required. [Note: If sealers or coatings are used for protecting the concrete, these finishes must report their VOC content in accordance with LEED criteria.]

5.0 Regional Material: Concrete is truly the only local building material due to its raw materials being abundant, proximity to project sites and the need to deliver within a short period of time from batching at the plant.

Product / source distance to project site	Aggregate	Aggregate	Cement	SCM (FA)	SCM (Slag)	% by weight*
	City, State	City, State	City, State	City, State	City, State	
Mix code #	x miles	x miles	x miles	x miles	x miles	
Mix code #						
Mix code #						
Mix code #						
Mix code #						

** Note: LEED v4 requires 90% by weight to be consider "entire product."*

If you need further clarification or additional assistance, please do not hesitate to contact me.

Best Regards

RMC Company Contact

Appendix A: Environmental Impacts of Concrete Products

RMC Company participated in the NRMCA IW-EPD, which was verified by NSF Certification, LLC. Below are applicable links that allows RMC Company to utilize the IW-EPD for this project. Also below is a table corresponding concrete mix codes with references to environmental impacts within the IW-EPD.

- Program Operator, NSF verified IW-EPD report:
<http://info.nsf.org/Certified/Sustain/ProdCert/EPD10294.pdf>
- Directory of IW-EPD industry participants acknowledging RMC Company:
<https://www.nrmca.org/sustainability/EPDProgram/search/>

Product (mix code)	IW-EPD Product (mix code)	Environmental Impacts (IW-EPD referenced page)
#12345	2501-300-30FA	Page 19
#		
#		
#		
#		

RMC Company was a participant as identified in a search query of the plant directory:

The screenshot shows the NRMCA website interface. At the top, the NRMCA logo and tagline "NATIONAL READY MIXED CONCRETE ASSOCIATION" are visible, along with a truck icon. The navigation bar includes links for "About NRMCA", "E-Store", "Newsroom", "About Ready Mixed Concrete", "NRMCA Websites", and "Contact Us".

The main content area features a "SUSTAINABILITY" banner with a green leaf graphic. Below this is the heading "NRMCA Industry Wide EPD". A search form titled "NRMCA Industry Wide EPD Plant Search" is displayed, containing the following fields:

- Company Name
- Plant Name
- Subsidiary
- City
- State/Province

Buttons for "Back", "Search", and "Clear" are located below the search fields. A link below the form reads: [Back to the NRMCA EPD Program page.](#)

On the right side of the page, there is a "MEMBERS ONLY" section with a "MEMBER LOG-IN" button and a "POPULAR LINKS" section listing various resources such as "Build with Strength Member Resources", "Pave Ahead Project Assistance", "CDP Driver Cert.", "Concrete In Practice", "Technology In Practice", "Green-Star Program", "InFocus Magazine", "Online Buyer's Guide", "P2P Initiative", "Pervious Contractor Certification", "Plant Certification", "Production Statistics", and "Promotion Resources".

The left sidebar contains navigation options under "SERVICES AND DEPARTMENTS" (Membership, Certification, Conferences | Events, Government Affairs, Promotion, Research | Engineering, Codes | Standards, Operations, Safety and Environmental, Sustainability, Resilience, Ready Mixed Concrete Business, Education | Training) and "PROFESSIONAL DEVELOPMENT".