

Lafarge Bath Cement Plant Low Carbon Fuels Project

Collaboration and Innovation at the Lafarge Bath Plant

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Lafarge Bath Plant



Photo Credit: Lafarge Canada Inc.



Photo Credit: bathcanadadayparade.com

- Cement Plant opened 1973
- Limestone quarry
- 1.5 km conveyor
- 200 m cement kiln
- 1,450 degrees C
- Coal and pet-coke fuel
- 1.1 M tonnes cement/year
- 100 employees
- 3 km west of Bath (Loyalist Township)
- Bath: Founded 1784



The Lafarge Decision



Photo Credit: Lafarge Canada Inc.

- 2006: Approvals issued to burn scrap tires, plastics, etc.
- 2007: Leave to appeal granted by Environmental Review Tribunal (ERT) to community groups (“the Lafarge Decision”)
- Failure to assess cumulative effects, etc.
- MOE contravened Statement of Environmental Values (SEV):
 - Ecosystem approach
 - Precautionary principle
- 2008: Approvals revoked





Low Carbon Fuels (LCF) Project



- 2009: C of A to assess virgin biomass in Energy Farm Demonstration Project
- 2011: Cement 2020 launched
- 2012: ECA to use virgin biomass and operate fuel management system in Permanent LCF Project
- 2012: Greener Fuel Protocol
- 2012: Pilot ECAs to assess mixed biomass fuels (C&D wood waste, railway ties, asphalt shingles) in LCF Demonstration Project
- 2013+: Environmental Screening Process



Greener Fuel Protocol



Environmental:

Carbon footprint,
life cycle
assessments,
knowledge
building, emissions,
beneficial re-use



Social:

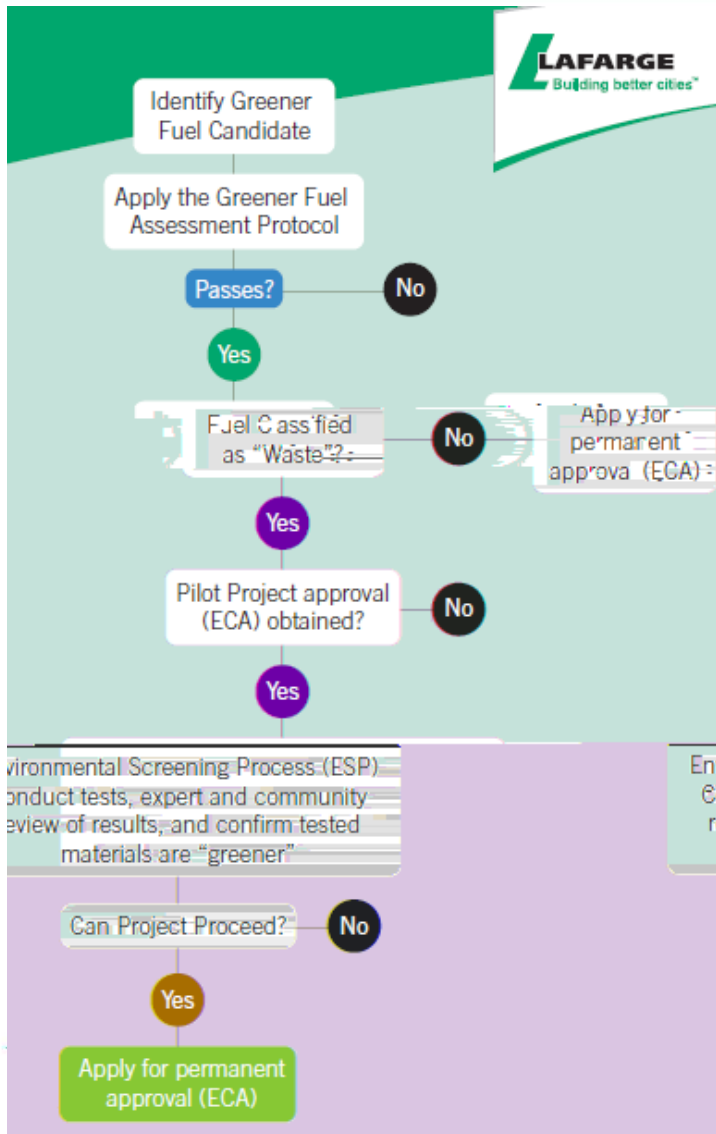
Transportation,
transparency
and community
participation,
education
opportunities



Economic:

maximizing
local benefits,
affordable fuels,
local jobs
and economic
development

Environmental Screening Process (ESP)



- ESP to assess effects of mixed biomass fuel management (handling, storage, etc.) for permanent use
- Required under Part III of the Waste Management Projects Regulation (O.Reg. 101/07)
- ESP applies to projects with predictable effects, readily mitigated
- Proponent driven, self-assessment
- 2 mandatory consultation activities
- If results of the ESP are positive, next step is application for permanent approval to use mixed biomass



IAP2 Spectrum

	INFORM	CONSULT	INVOLVE	COLLABORATE	EMPOWER
PUBLIC PARTICIPATION GOAL	To provide the public with balanced and objective information to assist them in understanding the problems, alternatives and/or solutions.	To obtain public feedback on analysis, alternatives and/or decision.	To work directly with the public throughout the process to ensure that public issues and concerns are consistently understood and considered.	To partner with the public in each aspect of the decision including the development of alternatives and the identification of the preferred solution.	To place final decision-making in the hands of the public.
PROMISE TO THE PUBLIC	We will keep you informed.	We will keep you informed, listen to and acknowledge concerns and provide feedback on how public input influenced the decision.	We will work with you to ensure that your concerns and issues are directly reflected in the alternatives developed and provide feedback on how public input influenced the decision.	We will look to you for direct advice and innovation in formulating solutions and incorporate your advice and recommendations into the decisions to the maximum extent possible.	We will implement what you decide.
EXAMPLE TOOLS	<ul style="list-style-type: none"> • Fact sheets • Websites • Open houses 	<ul style="list-style-type: none"> • Public comment • Focus groups • Surveys • Public meetings 	<ul style="list-style-type: none"> • Workshops • Deliberate polling 	<ul style="list-style-type: none"> • Citizen Advisory committees • Consensus-building • Participatory decision-making 	<ul style="list-style-type: none"> • Citizen juries • Ballots • Delegated decisions

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Innovation in Collaboration

- Lafarge turned 2007 ERT decision into opportunity to collaborate with community:
 - Partnered with Queens University, NRCan, NGOs, local fuel producers/suppliers, etc.
 - Community liaison committee, tours, public meetings, etc...
- Challenges:
 - Difficult to neatly define consultation for EA purposes
 - Collaboration = loss of full control
- Opportunities:
 - Collaboration = community support, innovation
 - Benefits to community and Lafarge



Thank-You

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