



CORNERSTONE
STANDARDS COUNCIL

Cornerstone Standards Council

Recognizing Responsible Aggregate Practices

A prosperous and
environmentally and
socially responsible
aggregate materials
industry





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Who cares about aggregate issues?



PRODUCERS



REGULATORS



PURCHASERS



ENVIRONMENTAL
STEWARDS



NEIGHBOURS



Aggregate Land Use in Ontario

ELMIRA
Independent

“Visual impact of gravel pit under review”

THE HAMILTON
SPECTATOR

“Province steps in to Carlisle quarry fight”

TORONTO STAR

“Cement company seeks \$275M in compensation over scuttled quarry”

680 News's
ALL NEWS RADIO

“First Nation community protest mega quarry plans for Niagara Escarpment”

ANCASTER NEWS

“Quarry is complex issue with a long history”

THE GLOBE AND MAIL
CANADA'S NATIONAL NEWSPAPER • FOUNDED 1852

“Caledon residents score victory in quarry battle”





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Certification Solution

Develop **voluntary** certification that helps identify responsible sites and practices, building a company's **social licence to operate**

Use **marketplace demand** to encourage uptake and adherence to certification





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Voluntary Certification





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Back to aggregates





Community Concerns

- Regulatory license does not address a number of community concerns
- Lack of environmental protection in regulations: “The number of aggregate inspectors...is totally inadequate” Gord Miller, ECO
- Weak community consultation
- Negative environmental impacts due to poor siting
- Noise and air pollution
- Complexity of Ontario’s hydrogeology system
- Perception that rehabilitation is inconsistent
- Lack of incentives for resource efficiency
- Uncertain outcomes

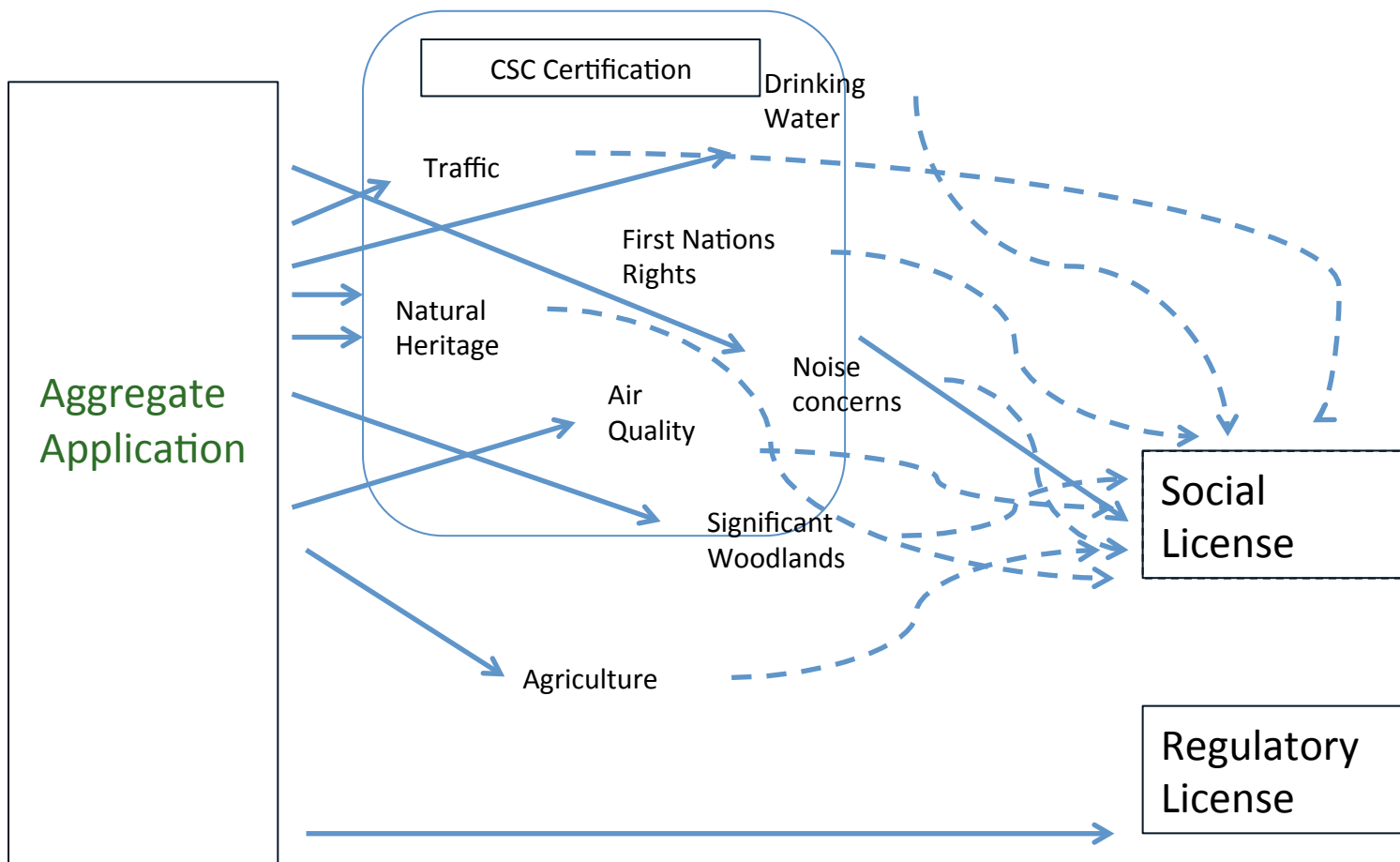
Development Concerns

- No clear path to obtain **social license**
- Lengthy and expensive licensing process
- Uncertain outcomes
- Inability to demonstrate responsibly sourced materials to purchasers
- Poorly defined social and environmental expectations





Many Stakeholders
+ Unclear Expectations
= Difficulty securing social licenses



Collaborative Solution
+ Clearly Defined Standards
= Success For All Sides



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CSC Solution

CSC helps aggregate sites earn a high level of social licence by:

- Establishing clear and measurable standards for aggregate operators that outline world-class responsible practices
- Providing stakeholders with third-party verification that an operation's practices meet these rigorous standards
- Promoting certified products, and the responsible standards, to major purchasers and stakeholders as the right "lens" to assess social and environmental responsibility

CSC Provides a Clear Path Through the Confusion





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The Draft Standards

High-but-achievable
targets to help industry
develop and market
responsibly extracted
stone, sand and gravel





Social License

CSC Certification

- Certified by 3rd party organizations to meet world-class standards
- Recognizes operations that demonstrate significant efforts to exceed MNR requirements
- Addresses community interests in a clear but flexible format
- Enforced through ability to meet market demand for responsibly sourced resources
- **Applies only to sites which volunteer to be certified**

Regulatory License

Regulations

- Issued by the Ministry of Natural Resources
- Provides minimum requirements for the operation and rehabilitation of pits and quarries
- Addresses legal right to extract aggregates
- Enforced through aggregate inspectors
- **Applies to every legally operated site**





Environmental Caucus

- Friends of Rural Communities and the Environment
- Gravel Watch Ontario
- Environmental Defence
- Oak Ridges Moraine Foundation
- Trees Ontario
- Coalition of Concerned Citizens (Caledon)

Planning Caucus

- Mark Dorfman – independent planner
- Region of Waterloo

Observers

- Ministry of Natural Resources
- Six Nations of the Grand River

Industry Caucus

- Holcim Canada Inc
- Miller Group
- CONDRAIN
- Harold Sutherland Construction
- Lafarge Canada Inc
- Capital Paving





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CSC's Board

- Chair: Peter Kendall, Schad Foundation
- Maia Becker, Racine Consulting
- Bob Cartmel, Lafarge Canada
- Ryan Essex, Miller Group
- Graham Flint, Gravel Watch Ontario
- Nick Caccavella, Holcim Canada
- Tim Gray, Ivey Foundation
- Ken Lucyschyn, Walker Industries
- Moreen Miller, Ontario Sand, Stone and Gravel Association
- Thomas Mueller, Canada Green Building Council
- Ron Reid, Couchiching Conservancy
- Caroline Schultz, Ontario Nature
- Eric Stevenson, Environmental Defence
- Andrew Stewart, McLean Foundation





CSC's Draft Standards are composed of 7 Principles

First 4 available at www.cornerstonestandards.ca

- Principle 1: Compliance with laws
- Principle 2: Community notification, consultation & participation
- Principle 3: Respect for Aboriginal peoples rights & culture
- Principle 4: Benefits to communities & employees

Final 3 are still under development

- Principle 5: Site stewardship and impacts to environment, water and human health
- Principle 6: Resource efficiency
- Principle 7: Traceability





- **June 2011 – Present:** Standards Development Panel discussions to establish world class standards for aggregate extraction
- **November 2012:** Early preview of first four draft principles released
- ***In the coming months*** – 60 day consultation period on all principles
 - Posting online
 - Media announcement
 - Mini townhall meetings
 - Online townhall meetings
- ***Following 60 day consultation*** – revisions made based on input received
- ***Later in the year*** – 30 day consultation period on revised principles
- ***Early 2014*** – Release certification system to market





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Questions and Discussion

