



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



IOAS

the global organic guarantee

ALLIANCE FOR
WATER STEWARDSHIP



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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

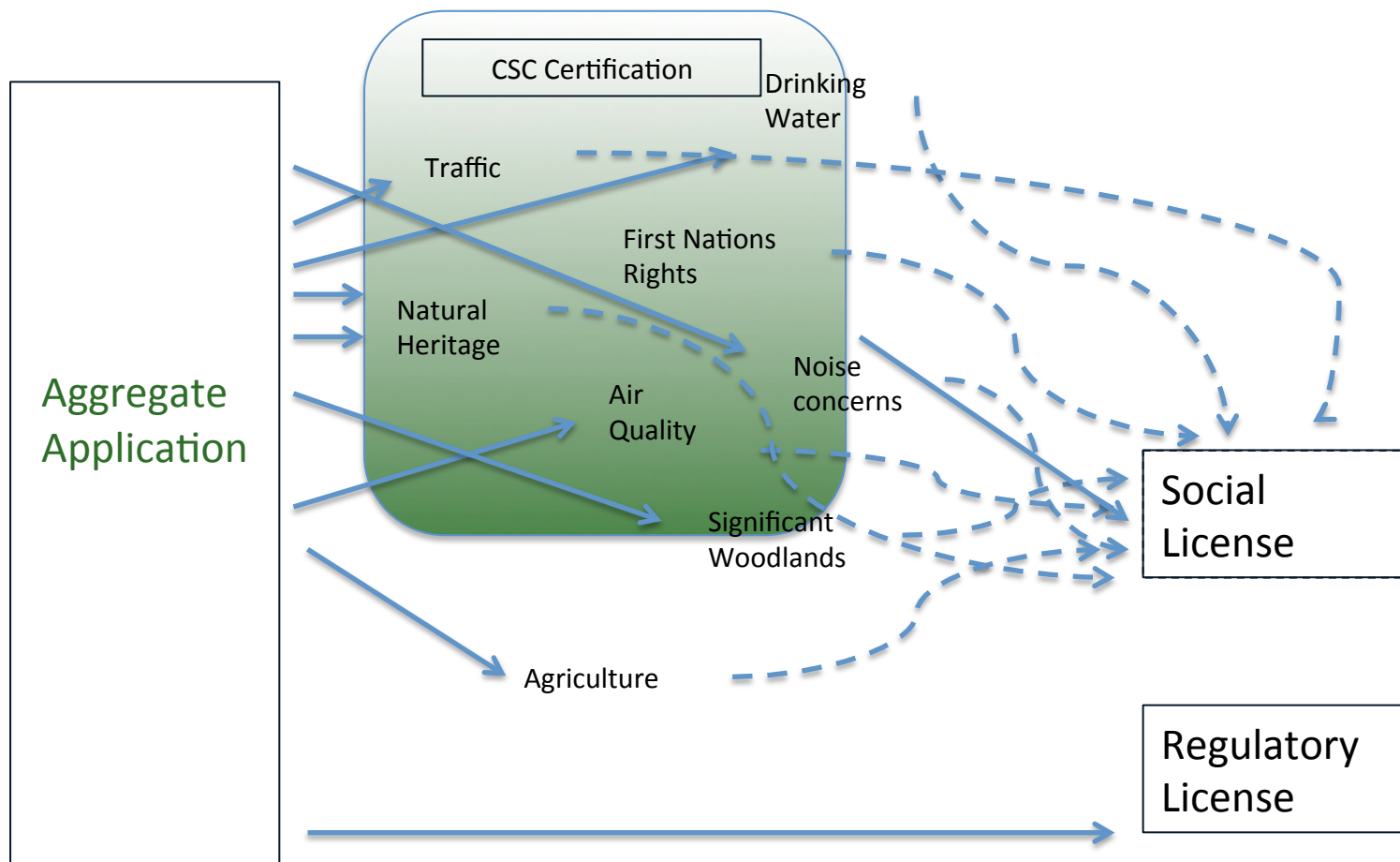
Development Concerns

- 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

