

Licensees Compliance Assessment Report - Aggregate Resources Act

Background Information			Year: 2017
Licensee: St. Marys Cement Inc. (Canada)		Licence ID #: 624984 Codrington Pit	MNR District/Area Office: Peterborough
Lot: Pt. Lots 32-34	Conc.: 6	Geographic Twp.: Murray	Municipality: Mun. of Brighton

Observations

OPERATING STANDARDS	IN COMPLIANCE?			COMMENTS	Remedial Action?
	Yes	No	N/A		
A - Site Access					Y
A1 Boundaries (clearly marked)	✓			Fencing completed at boundary of West Parcel with east and south boundary demarcated as fence installation is offset from boundary to preserve tree line. Wood stakes at corners of East Parcel and remnants of old fence at boundary.	
A2 Entrance and Exits (location/closed)	✓			Off-site entrance for aggregate haulage at County Road 30 is gated. Farm access at Conc. 5 & 6 Road Allowance (Ferguson Hill Rd.) is also gated. Permanent entrance to West Parcel for aggregate haulage has been gated and gates installed at access road at north limit of hydro easement. Gates installed at West Parcel at location of proposed access between West and East Parcels.	
A3 Lease/Ownership/Extraction Agreement				Ownership	
B - Site Protection					
B4 Fencing	✓			See A1. Fencing at south and east boundary of West Parcel is off-set from boundary to interior of site except where fence connects with West Parcel gate at point of proposed access between West and East Parcels.	
B5 Fencing (site plan variation or temporary relief granted)	✓			Fencing of East Parcel to occur prior to extractive operations.	
B6 Screening (trees/berms)	✓			West Parcel: Berms built to date are for noise mitigation at southwest corner, east end of south boundary and interim berm to west of active extraction area (see C10). Ongoing berm construction at east boundary is for topsoil storage only. No berming at East Parcel at this time.	
B7 Setbacks (15m / 30m or other)	✓			Setbacks are in place.	
C - Operational Details					
C8 Operating Sequence	✓			Excavations ongoing at two locations in Phase 1, West Parcel.	
C9 Stripping (overburden)	✓			Overburden stripped from former agricultural fields in Phase 1 has been used for acoustic berm construction.	
C10 Overburden Seeded	✓			Overburden placed in vegetated final acoustic berms and interim berm.	
C11 Extraction Depth	✓			Extraction (at max. depth) is permitted to +/- 155 m (asl). Lowest floor elevation +/- 165_m	
C12 Buildings/Scales (location)	✓			None proposed. Scales, scalehouse / office are off-site at Road 30 entrance.	
C13 Equipment (any specific conditions or restrictions)	✓			Three loaders in use for supplying plants and loading trucks.	
C14 Plant (location/any specific conditions or restrictions)	✓			Portable wash plant at Phase 1 northcentral pit excavation and screening plant at Phase 1 southeast pit excavation.	
C15 Scrap (location/removal)	✓			Scrap is removed on an ongoing basis.	
C16 Stockpiles (location)	✓			Stockpiles in extraction area at Phase 1.	
C17 Topsoil (location/seeded)	✓			Topsoil previously stripped from agricultural fields used in berm. Topsoil stripped from east side of Phase 1 is being stored in berm at east boundary.	
C18 Excavation Faces	✓			Multi-lift excavation ongoing in extraction areas as per C8.	
C19 Ponds (location/depth)			✓	Source and settling ponds built for portable wash plant.	
C20 Internal Roads (any specific conditions or restrictions)	✓			Internal roads for site preparation and haulage of material off-site.	
C21 Haul Routes (external/any specific conditions or restrictions)	✓			Off-site aggregate haulage is via north boundary of West Parcel, across hydro easement and through licensee owned lands including adjacent Archer Pit to County Road 30. Signs advising of public road haul route at 2 locations.	
C22 Blast Monitoring Report (quarries only)			✓		
C23 Dust Suppression	✓			Suppressant to be used as necessary.	
C24 Hours of Operation (any specific conditions or restrictions)	✓			Operational activities are in accordance (Mon. to Fri. / 7 am to 7 pm).	
C25 Well Monitoring Reports	✓			Groundwater level monitoring / reporting is carried out.	
C26 Identification Sign (as per Sect. 5.22 of Provincial Standards)	✓			Signs installed at three locations: i) County Road 30 off-site entrance; ii) West Parcel entrance at hydro line ; iii) Ferguson Hill Road farm field access at Conc. 5 & 6 Road Allowance (West Parcel). Signs will be installed at accesses between East and West Parcel when inter-parcel access is established.	
C27 Orderly Conditions	✓				
C28 Blasting Hours (quarries only)			✓		


Note: Any (✓ "No") requires completion of Page 3


Observations (continued)					
OPERATING STANDARDS	IN COMPLIANCE?			COMMENTS	Remedial Action?
	Yes	No	N/A		
D – Rehabilitation					Y
D29 Disturbed Hectarage	✓			Current year - # of hectares <u>10.0</u> Total # of hectares <u>22.0</u>	
D30 Progressive rehabilitation	✓			Current year - # of hectares <u>0.0</u> Total # of hectares <u>0.0</u>	
D31 Sloping of Faces	✓			Not required at this time.	
D32 Grades/Contours/Elevations	✓			Not required at this time.	
D33 Importation of Material (inert)	✓			No importation of fill for rehabilitation purposes.	
D34 Vegetation	✓			Former agricultural lands at northwest part of the West Parcel (non-extraction area) have been re-vegetated and planted with conifer nursery tree stock.	
D35 Final Rehabilitation	✓			Not required at this time.	
E - Prescribed Conditions (For Licences issued after June 27, 1997)					
E36 Other Monitoring Reports	✓			Noise Monitoring Program as per Environmental Noise Monitoring Program & Complaint Procedure (Aeroustics, Feb. 24/13): Monitoring event was undertaken when extraction moved to southeast portion of West Parcel.	
E37 Requirements of C of A's	✓			Portable crushing and screening plants have operated this year in 'below grade' locations. MOECC approvals are held by contractor.	
E38 Noise Mitigation	✓			Noise mitigation berming has been constructed in accordance with approval of application and site plan amendment for interim berm (see B6 and page 5 sketch).	
E39 Fuel Storage Tanks	✓			No fuel storage on-site at this time.	
E40 Spills Plan	✓			Corporate plan is in effect.	
E41 Permit to Take Water	✓			Permit issued for taking from two source water wells and pond.	
E42 Dust Suppression Measures Req'd. (Haul routes, equip, etc.)	✓			Suppressants used as required.	
F - Other Conditions (As indicated on either Site Plan or Licence)					
F43 Tonnage Condition	✓			650, 000 tonnes per annum (including up to 50,000 tonnes of material that may be imported for blending purposes).	
F44 Community Liaison Group (CLG)	✓			Public meeting held on April 10, 2014 in Codrington to organise CLG. Subsequent correspondence with interested community members has occurred. Most recent CLG meeting was held in 2016. Invitation to CLG members has been issued for 2017 meeting.	
F45 Alternate 'back-up' warning devices	✓			CBM has investigated alternative warning devices for use on CBM-owned equipment. Documentation of same has been provided to Municipality.	
F46 Complaint Response Procedure (Noise)	✓			No noise complaints received to date. Documentation by CBM to include Noise Complaint Form as per Environmental Noise Monitoring Program & Complaint Procedure (Aeroustics, Feb. 24/13).	
F47 Natural Environment Report	✓			<u>Installation of butternut tree protection fencing at south setback, West Parcel, by a qualified ecologist prior to berm construction:</u> not required at this time. Planting of conifer trees at edge of forested areas that are to be retained (i.e. in excavation setback or non-extraction area) has been completed.	
F48 Archaeological Assessment and Ministry of Tourism, Culture and Sport comments	✓			<u>Buffer zone demarcation:</u> Archaeological sites are demarcated and have not been impacted by pit operations. <u>Markers at limit of extraction prior to extraction activities:</u> extraction limits adjacent to the archaeological sites will be demarcated prior to aggregate extraction occurring adjacent to the sites. Sites themselves have been demarcated. <u>Worker training program:</u> instruction has been provided to workers.	
F49 Visual Impact Assessment	✓			<u>Input from adjacent residents on berm construction:</u> Discussions occurred prior to construction with homeowner who responded to request (McNichol). <u>Variations in berm height / slope / orientation subject to noise mitigation requirements:</u> Berm at southwest corner of West Parcel has been built with a horizontal curve and final shaping. <u>Tree / shrub planting plan with input from adjacent residents:</u> Planting has taken place with input from McNichol. Other resident (Ferguson 'Estate') did not respond.	
General Comments:					
ARA Licence issued / dated January 30, 2014.					
Licence ID#: 624984 Codrington Pit					

Note: Any (✓“No”) requires completion of **Page 3**

Date Submitted to MNR: Y / M / D	2017 / 09 / 28	Please ensure that the site plan you have is the most current, approved plan and is the same as the one MNR has on file.
Is the site held in reserve? <input type="checkbox"/> YES or <input checked="" type="checkbox"/> NO		

Copies of Report Sent to:	County/Regional Municipality	Local Municipality	Ministry of Natural Resources
(by September 30th)	<input checked="" type="checkbox"/> YES	<input checked="" type="checkbox"/> YES	<input checked="" type="checkbox"/> YES

TO BE COMPLETED BY PERSON CONDUCTING REVIEW (including on-site inspection)			
Date Inspected: Y / M / D	2017 / 08 / 02	Review Conducted by: (Please Print) Amarjit S. Sandhu	Signature (if different than licensee): 
Name of Company and Address: Pro-Inspect, 10 Davey Crescent, Amherstview ON K7N 1X6 Tel. 613-384-7067			
Position with Company: Principal			

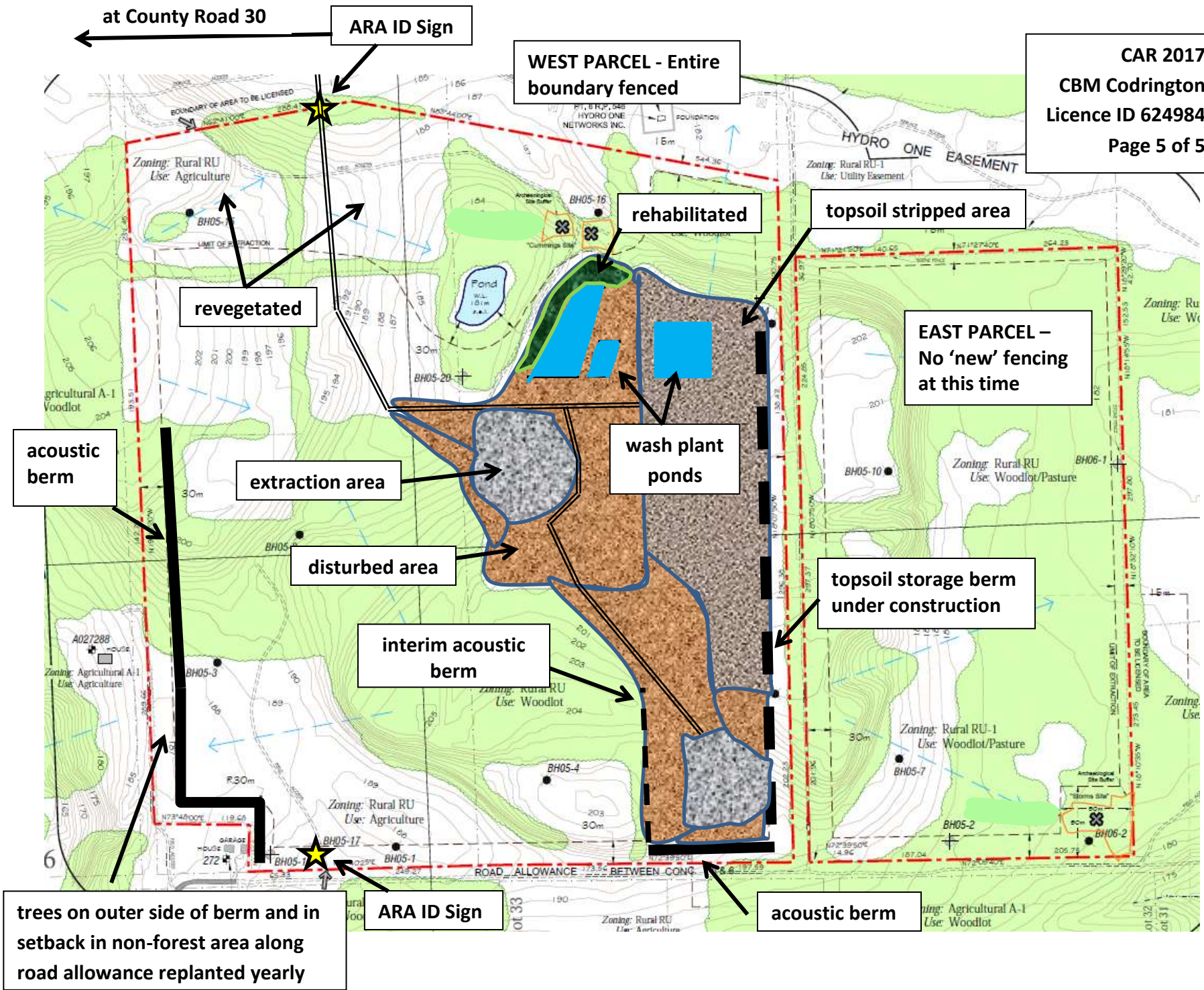
Signature of Licensee or Authorized Official: 
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FOR MNR OFFICE USE ONLY				
Accepted by MNR: (✓ one)	YES <input type="checkbox"/> NO <input type="checkbox"/>	Date Accepted: Y / M / D	/ /	MNR Signature:
Field Audit by MNR: (✓ one)	YES <input type="checkbox"/> NO <input type="checkbox"/>	Date Inspected: Y / M / D	/ /	MNR Signature:
Follow up Notice Required?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Licence ID #:		

- Pursuant to Subsection 57(4) of the ARA, it is an offence to furnish false information.
- You must provide a sketch if remedial action is required or progressive rehabilitation has been performed.
- In order to extend the 90-day remedial action deadline date, you must obtain the Aggregate Inspector's approval (in writing) prior to filing the report with the Inspector or local MNR office.
- Please submit this report to the local Aggregate Inspector who administers your site, or the local MNR office.

(NOTE: ALL INFORMATION IN RESPECT OF THIS REPORT IS AVAILABLE FOR PUBLIC REVIEW)

Lic. ID 624984 – CBM Codrington Pit



trees on outer side of berm and in setback in non-forest area along road allowance replanted yearly