REPORT

2024 Annual Compliance Reporting

Environmental Compliance Approval Reference Number 5005-CSYL97

Submitted to:

Heidelberg Materials Canada Limited

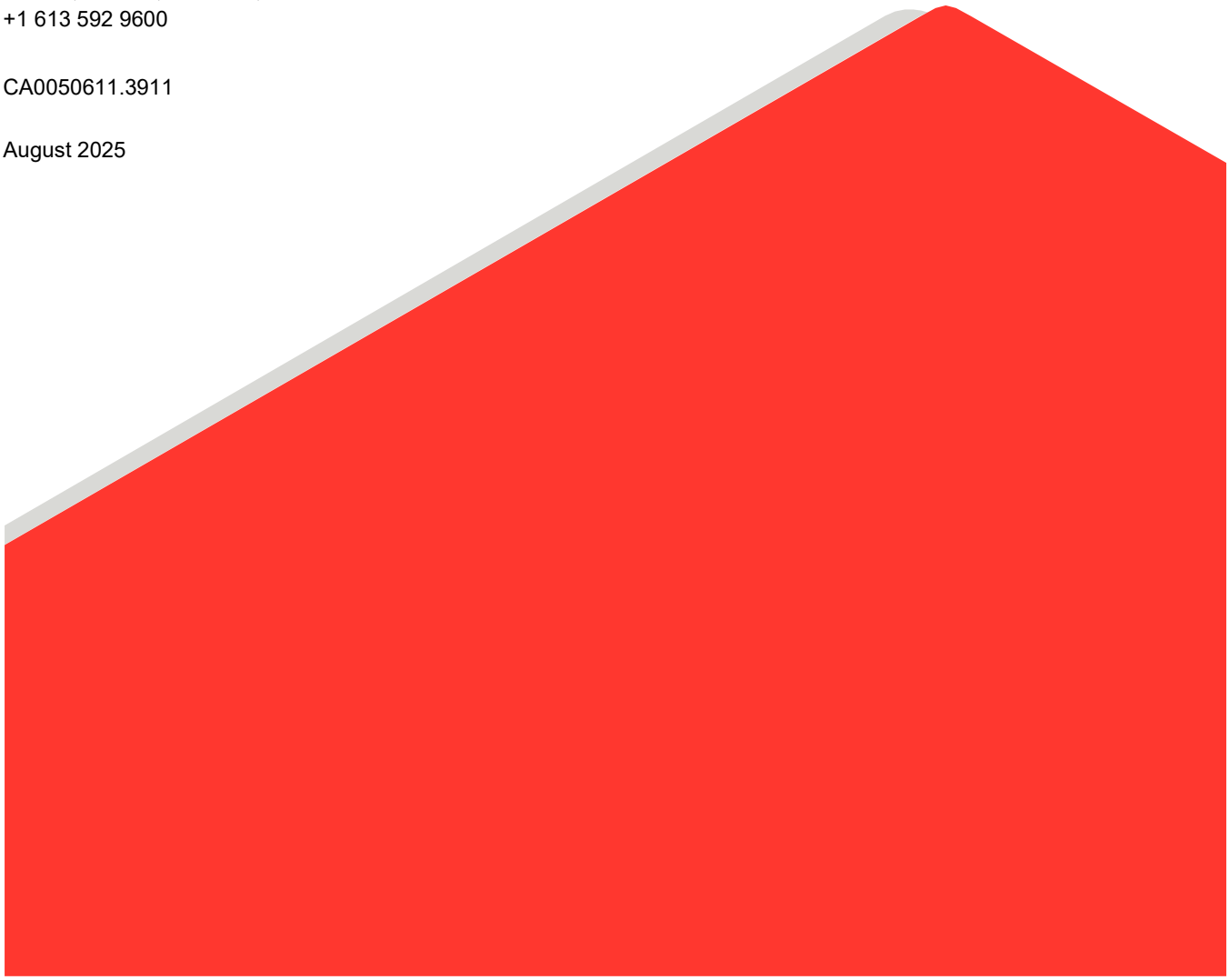
1370 Highway 49
Picton, Ontario
K0K 2T0

Submitted by:

WSP Canada Inc.
1931 Robertson Road
Ottawa, Ontario, K2H 5B7, Canada
+1 613 592 9600

CA0050611.3911

August 2025



Distribution List

Electronic Copy - Heidelberg Materials Canada Limited

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ATTACHMENTS

1.0 INTRODUCTION

Heidelberg Materials Canada Limited (Heidelberg) was issued Amended Environmental Compliance Approval for Air & Noise (ECA) No. 5005-CSYL97 with Limited Operational Flexibility on May 30, 2024. The ECA approves the operation of the Heidelberg facility (the Facility) and provides Limited Operational Flexibility (LOF) until May 30, 2034.

As outlined in Condition 16.1 of the ECA, Heidelberg is required to prepare and submit by August 30 of each year to the District Manager, an Annual Report summarizing the operation of the Facility, covering the previous calendar year. The Annual Report shall include, as a minimum, the following information:

a) A statement of whether the Facility was in compliance with this Approval, including compliance with the Performance Limits;

b) The Emission Summary Table and Acoustic Assessment Summary Table for the Facility as of December 31 from the previous calendar year;

c) Clinker and cement production in tonnes per year;

d) Maximum daily feed rate and average daily feed rate of ALCF and Conventional Fuels in the cement kiln for each month of the preceding calendar year, and the weight percentage of each category of ALCF, as approved by this Approval, of the total monthly ALCF used.

e) Maximum and average percent thermal replacement of Conventional Fuels by combined ALCF for each month;

f) A Summary of data from CEM Systems, CPM Systems, Source Testing and Carbon Dioxide Emission Intensity testing and status of compliance with the Performance Limits and the ALCF operational requirements;

g) A Summary of dates, duration and reasons for any operational events, that may have negatively impacted the quality of the environment and corrective measures taken to address these impacts; and,

h) Details of environmental complaints including a summary of complaints received, causes of complaints and action taken to avoid the recurrence of similar incidents.

2.0 ECA CONDITION 16.1(A): COMPLIANCE STATEMENT

Attachment 1 provides a statement confirming the Facility was in compliance with the ECA, including compliance with the Performance Limits in 2024 with the exception of Conditions 4(1) and 4(9) for which a s.28 notification was provided to the Ministry of the Environment, Conservation and Parks along with an abatement plan for sulphur dioxide.

3.0 ECA CONDITION 16.1(B): EMISSIONS SUMMARY TABLE AND ACOUSTIC ASSESSMENT SUMMARY TABLE

The Emissions Summary Tables for both normal and transitional operating conditions for operations at the Facility as of December 31, 2024, are included in Attachment 2.

The Acoustic Assessment Summary Table for operations at the Facility as of December 31, 2024, is included as Attachment 3.

4.0 ECA CONDITION 16.1(C): CLINKER AND CEMENT PRODUCTION

The amount of clinker and cement produced at the Facility in 2024 is summarized in Table 1 below:

Table 1: 2024 Clinker and Cement Production

Product	Value	Unit
Clinker	715,763	Tonnes
Cement	803,765	Tonnes

5.0 ECA CONDITION 16.1(D): ALCF FEED RATE AND WEIGHT PERCENTAGE

Not applicable as the Facility has not co-fired the kiln with Alternative Low-Carbon Fuels (ALCF) as of December 31, 2024.

6.0 ECA CONDITION 16.1(E): ALCF THERMAL REPLACEMENT OF CONVENTIONAL FUELS

Not applicable as the Facility has not co-fired the kiln with Alternative Low-Carbon Fuels (ALCF) as of December 31, 2024.

7.0 ECA CONDITION 16.1(F): ALCF CEM, CPM, SOURCE TESTING AND CARBON DIOXIDE EMMISIONS INTENSITY TESTING

Not applicable as the Facility has not co-fired the kiln with Alternative Low-Carbon Fuels (ALCF) as of December 31, 2024.

8.0 ECA CONDITION 16.1(G): SUMMARY OF OPERATIONAL EVENTS THAT MAY HAVE NEGATIVELY IMPACTED THE ENVIRONMENT

Attachment 4 provides a table that summarizes the operational events that may have negatively impacted the quality of the environment, and the corrective measure take to address these impacts.

9.0 ECA CONDITION 16.1(H): SUMMARY OF COMPLAINTS

Attachment 5 provides a table that summarizes the complaints, and the corrective actions taken to address these complaints.

10.0 LIMITATIONS

This Annual Compliance Report was prepared to fulfill the requirements of Condition 16.1 of ECA No. 5005-CSYL97. It is for the exclusive use of Heidelberg and is intended to fulfil the documentation and reporting requirements as stated in the Facility's ECA. The report is based on the ESDM Report and Acoustic Assessment Report dated June 2025 prepared by WSP Canada Inc.; and discussions with Heidelberg about Facility operations in 2024.

No assurances are made by WSP Canada Inc. regarding changes in Facility conditions and operational practices subsequent to submission of this report to the District Manager. Any use of this document or the observations, conclusions or recommendations provided in this report by any person other than Heidelberg and the other above-mentioned persons is at the sole risk of such user.

The report was developed by WSP Canada Inc. using data and information received from Heidelberg. In evaluating the Facility, WSP Canada Inc. has relied in good faith on information provided by others and the regulatory authorities. WSP Canada Inc. accepts no responsibility for any deficiency, misstatements, or inaccuracies contained in this report as a result of omissions, misinterpretations or fraudulent acts of the persons involved.

11.0 CLOSURE

We trust that the information presented in this report meets your requirements. Should you have any questions or concerns, please do not hesitate to contact the undersigned.

WSP Canada Inc.

Jeff Zywicki, B.Sc.Eng
Senior Air Quality Scientist

Jamie McEvoy, P.Eng
Technical Lead & Senior Air Quality Engineer

VC/JJZ/JDM/sg
https://wsponlinecan.sharepoint.com/sites/ca-ca0050611.3911/shared documents/06. deliverables/2024 compliance report/ca0050611.3911-r-rev0 heidelberg annual reporting 29aug2025.docx

ATTACHMENT 1

Compliance and Performance Limit Signed Statement

Heidelberg Materials Canada Limited
Picton Plant
PO Box 620
Picton ON K0K 2T0
Phone (613) 476-3233
www.heidelbergmaterials.com

August 30, 2025

Ministry of Environment, Conservation and Parks
Director, Environmental Assessment and Permissions Branch
135 St. Clair Avenue West, 1st Floor
Toronto ON, M4V1L5

Re: Written Summary and Compliance Reporting for Reporting Year 2024
Environmental Compliance Approval
Number 5005-CSYL97

This is to confirm that the Heidelberg Materials Canada Limited Facility located at 1370 Highway 49 in Picton, Ontario operated in compliance with Condition 4(1) and the conditions and performance limits, with the exception to Condition 4(9), set forth in our Environmental Compliance Approval (ECA) with Limited Operational Flexibility (LOF) as noted below throughout 2024.

Opacity events were the result of operational incidents related to various equipment issues (e.g., gas flame loss and power failures), which were corrected forthwith. Focus on maintenance and improvements to dust control systems continue on an annual basis.

SO2 events were generally a result of issues with the dry sorbent emissions control system or process issues. These issues were corrected forthwith, which lead to the Facility returning to compliance with the ECA Performance Limits. Heidelberg Materials has initiated a project to replace existing dry sorbent emissions controls with an upgraded system expected to be commissioned September 2025.

The submission of this letter satisfies Conditions 6.1 and 16.1.a of the above noted ECA.

Sincerely,

Dan Miller
Environmental Manager
Picton Cement Plant
Cc: MECP Kingston District Office

ATTACHMENT 2

Emissions Summary Tables

Normal Operating Conditions
Emission Summary Table
Operations as of December 31, 2024

Contaminant	CAS No.	Total Facility Emission Rate [g/s]	Air Dispersion Model Used [1]	Maximum POI Concentration [µg/m³]	Averaging Period	MECP POI Limit [µg/m³]	Limiting Effect	Schedule	Source	Benchmark	Percentage of MECP Limit [%]	Model Run Name	Notes	Version of ACB List [2]
Acenaphthylene	208-96-8	2.67E-03	AERMOD	9.34E-04	24	0.1	—	—	De Minimus	—	Below De Minimus	Unit Run		
Aluminum	7429-90-5	5.89E-01	AERMOD	1.20E+00	24	12	Health	Sch. 3	SL-JSL	B2	Below B2	Unit Run		v3
Ammonia	7664-41-7	6.90E+00	AERMOD	2.42E+00	24	100	Health	Sch. 3	Standard	B1	2%	Unit Run	URT - Note 8, Table 4	v3
Ammonium	14798-03-9	4.89E+00	AERMOD	1.00E+01	24	14.5	—	—	Previously Approved MAXGLC	—	Below Previously Approved MaxGLC	Unit Run		
Benzaldehyde	100-52-7	1.09E-03	AERMOD	2.22E-03	24	2	Health	Sch. 3	SL-JSL	B2	Below B2	Unit Run		v3
Benzene	71-43-2	7.25E-02	AERMOD	2.78E-03	Annual	0.45	Health	Sch. 3	Standard	B1	<1%	Unit Run	Note 7, Table 2, 3, URT - Note 8, Table 4	v3
Benzene	71-43-2	7.25E-02	AERMOD	2.55E-02	24	100	—	Sch. 6	DAV	—	Below DAV	Unit Run	Note 7, Table 2, 3, URT - Note 8, Table 4	v3
Benzene	71-43-2	7.25E-02	AERMOD	2.78E-03	Annual	4.5	—	—	AAV	—	Below AAV	Unit Run	Note 7, Table 2, 3, URT - Note 8, Table 4	v3
Benzo(a)pyrene	50-32-8	2.90E-06	AERMOD	1.72E-07	Annual	0.00001	Health	Sch. 3	Standard	B1	2%	Unit Run	Notes 6, 7, Table 2, 3, URT - Note 8, Table 4	v3
Benzo(a)pyrene	50-32-8	2.90E-06	AERMOD	1.77E-06	24	0.005	—	Sch. 6	DAV	—	Below DAV	Unit Run	Notes 6, 7, Table 2, 3, URT - Note 8, Table 4	v3
Benzo(a)pyrene	50-32-8	2.90E-06	AERMOD	1.72E-07	Annual	0.0001	—	—	AAV	—	Below AAV	Unit Run	Notes 6, 7, Table 2, 3, URT - Note 8, Table 4	v3
Beryllium	7440-41-7	1.30E-05	AERMOD	8.14E-06	24	0.01	Health	Sch. 3	Standard	B1	<1%	Unit Run		v3
C3 benzenes	N/A-10	1.18E-04	AERMOD	2.41E-04	24	0.1	—	—	De Minimus	—	Below De Minimus	Unit Run		
C4 benzenes	N/A-11	2.72E-04	AERMOD	5.56E-04	24	0.1	—	—	De Minimus	—	Below De Minimus	Unit Run		
Cadmium	7440-43-9	2.92E-05	AERMOD	1.23E-05	24	0.025	Health	Sch. 3	Standard	B1	<1%	Unit Run	URT - Note 8, Table 4	v3
Calcium Oxide	1305-78-8	5.44E+00	AERMOD	1.80E+00	24	10	Corrosion	Sch. 3	Standard	B1	18%	Calcium Oxide		v3
Carbon Dioxide	124-38-9	8.15E+04	AERMOD	1.43E+05	24	255800	Health	Sch. 3	SL-PA	B2	Below B2	Carbon Dioxide		v3
Carbon Monoxide	630-08-0	1.28E+02	AERMOD	1.62E+02	½	6000	Health	Sch. 3	Standard	B1	3%	Carbon Monoxide	Note 17	v3
Chloride	N/A-5	1.54E+01	AERMOD	5.16E+00	24	5.176	—	—	Previously Approved MAXGLC	—	Below Previously Approved MAXGLC	Chloride		
Chromium	7440-47-3	6.58E-04	AERMOD	4.55E-04	24	0.5	Health	Sch. 3	Standard	B1	<1%	Unit Run	Note 22, URT - Note 8, Table 4	v3
Cobalt	7440-48-4	9.69E-05	AERMOD	8.09E-05	24	0.1	Health	Sch. 3	Guideline	B1	<1%	Unit Run		v3
Crystalline Silica	14808-60-7	1.72E+00	AERMOD	2.94E+00	24	5	Health	Sch. 3	Guideline	B1	59%	Crystalline Silica		v3
Dioxins and Furans (TEQ)	N/A	1.87E-09	AERMOD	6.60E-10	24	0.0000001	Health	Sch. 3	Standard	B1	<1%	Dioxins and Furans (TEQ)	Note 21, 30, Table 1, URT - Note 8, Table 4	v3
Fluoranthene	206-44-0	1.99E-04	AERMOD	7.01E-05	24	0.1	—	—	De Minimus	—	Below De Minimus	Unit Run		
Fluorene	86-73-7	4.26E-04	AERMOD	1.50E-04	24	0.1	—	—	De Minimus	—	Below De Minimus	Unit Run		
Hydrogen chloride	7647-01-0	1.51E-01	AERMOD	5.61E-02	24	20	Health	Sch. 3	Standard	B1	<1%	Hydrogen chloride	URT - Note 8, Table 4	v3
Hydrogen Cyanide	74-90-8	4.03E-01	AERMOD	1.41E-01	24	8	Health	Sch. 3	Standard	B1	2%	Unit Run	URT - Note 8, Table 4	v3
Hydrogen Fluoride	7664-39-3	2.57E-02	AERMOD	2.69E-02	24	1.72	Vegetation	Sch. 3	Standard	B1	2%	Unit Run	Notes 10, 24	v3
Hydrogen Fluoride	7664-39-3	2.57E-02	AERMOD	1.05E-02	30-day	0.69	Vegetation	Sch. 3	Standard	B1	2%	Unit Run	Notes 10, 24	v3
Iron	7439-89-6	7.70E-01	AERMOD	1.35E+00	24	4	Health	Sch. 3	Standard	B1	34%	Iron		v3
Lead	7439-92-1	1.92E-03	AERMOD	6.93E-04	24	0.5	Health	Sch. 3	Standard	B1	<1%	Unit Run	Note 10, URT - Note 8, Table 4	v3
Lead	7439-92-1	1.92E-03	AERMOD	2.70E-04	30-day	0.2	Health	Sch. 3	Standard	B1	<1%	Unit Run	Note 10, URT - Note 8, Table 4	v3
Manganese	7439-96-5	1.25E-02	AERMOD	7.00E-02	24	0.4	Health	Sch. 3	Standard	B1	18%	Manganese	URT - Note 8, Table 4	v3
Naphthalene	91-20-3	6.40E-03	AERMOD	2.51E-03	24	22.5	Health / Odour	Sch. 3	Guideline	B1	<1%	Unit Run		
Naphthalene	91-20-3	6.40E-03	AERMOD	2.21E-02	10-min	50	Health / Odour	Sch. 3	Guideline	B1	<1%	Unit Run		
Nickel	7440-02-0	5.51E-04	AERMOD	3.91E-05	Annual	0.04	Health	Sch. 3	Standard	B1	<1%	Unit Run	Note 7, Table 2, 3, URT - Note 8, Table 4	v3
Nickel	7440-02-0	5.51E-04	AERMOD	4.15E-04	24	2	—	Sch. 6	DAV	—	Below DAV	Unit Run	Note 7, Table 2, 3, URT - Note 8, Table 4	v3
Nickel	7440-02-0	5.51E-04	AERMOD	3.91E-05	Annual	0.4	—	—	AAV	—	Below AAV	Unit Run	Note 7, Table 2, 3, URT - Note 8, Table 4	v3
Nitrate	14797-55-8	2.08E-01	AERMOD	4.26E-01	24	0.62	—	—	Previously Approved MAXGLC	—	Below Previously Approved MaxGLC	Unit Run		
Nitrogen Oxides	10102-44-0	1.34E+02	AERMOD	4.36E+01	24	200	Health	Sch. 3	Standard	B1	22%	Nitrogen Oxides	Notes 10, 28	v3
Nitrogen Oxides	10102-44-0	1.34E+02	AERMOD	1.86E+02	1	400	Health	Sch. 3	Standard	B1	46%	Nitrogen Oxides	Notes 10, 28	v3
PCBs	1336-36-3	1.76E-04	AERMOD	6.21E-05	24	0.15	Health	Sch. 3	Guideline	B1	<1%	Unit Run	Note 21	v3
Phenanthrene	85-01-8	9.06E-03	AERMOD	3.17E-03	24	0.1	—	—	De Minimus	—	Below De Minimus	Unit Run		
Phosphorus	7723-14-0	2.32E-02	AERMOD	1.38E-02	24	0.5	Health	Sch. 3	SL-MD	B2	Below B2	Unit Run		v3
Potassium	7440-09-7	8.15E-01	AERMOD	1.67E+00	24	10	Health	Sch. 3	SL-MD	B2	Below B2	Unit Run		v3
Pyrene	129-00-0	9.97E-05	AERMOD	3.52E-05	24	0.1	—	—	De Minimus	—	Below De Minimus	Unit Run		
Silicon	7440-21-3	3.89E-02	AERMOD	1.85E-02	24	27	Health	Sch. 3	SL-PA	B2	Below B2	Unit Run		v3
Sodium	7440-23-5	1.81E+00	AERMOD	3.70E+00	24	5.39	—	—	Previously Approved MAXGLC	—	Below Previously Approved MaxGLC	Unit Run		
Sulfate	14808-79-8	4.69E+00	AERMOD	2.19E+00	24	2.36	—	—	Previously Approved MAXGLC	—	Below Previously Approved MaxGLC	Unit Run		
Sulfur trioxide	7446-11-9	2.23E+00	AERMOD	1.32E+00	24	5	Health	Sch. 3	SL-JSL	B2	Below B2	Sulfur trioxide		v3
Sulphur dioxide	7446-09-5	3.81E+01	AERMOD	1.42E+00	Annual	10	ealth & Vegetatio	Sch. 3	Standard	B1	14%	Sulphur dioxide	Note 10, URT - Note 8, Table 4	v3
Sulphur dioxide	7446-09-5	3.81E+01	AERMOD	5.38E+01	1	100	ealth & Vegetatio	Sch. 3	Standard	B1	54%	Sulphur dioxide	Note 10, URT - Note 8, Table 4	v3
SPM	N/A	2.06E+01	AERMOD	4.64E+01	24	120	Visibility	Sch. 3	Standard	B1	39%	SPM		v3
Thallium	7440-28-0	2.75E-04	AERMOD	9.98E-05	24	0.5	Health	Sch. 3	SL-JSL	B2	Below B2	Unit Run		
Tin	7440-31-5	6.93E-03	AERMOD	4.25E-03	24	10	Health	Sch. 3	Standard	B1	<1%	Unit Run		v3

Notes:

1. AERMOD v.22112 was used for all contaminants
2. v3 = Version 3.0 - April 2023
3. "SL-JSL" = Screening Limit - Jurisdictional Screening Limit, "SL-MD" = Screening Limit - Ministry-derived,"SL-PA" = Screening Limit - Previously Accepted", "URT" = Upper Risk Threshold, "DAV" = Daily Assessment Value, "AAV" = Annual Assessment Value, "Previously Approved MAXGLC" = Previously Approved Limit using the Maximum Ground Level Concentration Assessment submitted with the ECA Amendment.

Made by: VC
Checked by: JJZ

Transitional Operating Conditions
Emission Summary Table
Operations as of December 31, 2024

Contaminant	CAS No.	Total Facility Emission Rate [g/s]	Air Dispersion Model Used [1]	Maximum POI Concentration [µg/m³]	Averaging Period	MECP POI Limit [µg/m³]	Limiting Effect	Schedule	Source	Benchmark	Percentage of MECP Limit [%]	Model Run Name	Notes	Version of ACB List [2]
Carbon Monoxide	630-08-0	6.50E+02	AERMOD	1.13E+03	½	6000	Health	Sch. 3	Standard	B1	19%	Carbon Monoxide	Note 17	v3
Nitrogen Oxides	10102-44-0	2.13E+02	AERMOD	7.23E+01	24	200	Health	Sch. 3	Standard	B1	36%	Nitrogen Oxides	Notes 10, 28	v3
Nitrogen Oxides	10102-44-0	2.13E+02	AERMOD	3.05E+02	1	400	Health	Sch. 3	Standard	B1	76%	Nitrogen Oxides	Notes 10, 28	v3
Sulphur dioxide	7446-09-5	8.18E+01	AERMOD	6.39E+00	Annual	10	Health & Vegetation	Sch. 3	Standard	B1	64%	Sulphur dioxide	Note 10, URT - Note 8, Table 4	v3
Sulphur dioxide [3]	7446-09-5	8.18E+01	AERMOD	1.25E+02	1	100	Health & Vegetation	Sch. 3	Standard	B1	>100%	Sulphur dioxide	Note 10, URT - Note 8, Table 4	v3
SPM	N/A	2.85E+01	AERMOD	4.64E+01	24	120	Visibility	Sch. 3	Standard	B1	39%	SPM		v3

Notes:

1. AERMOD v.22112 was used for all compounds
2. v3 = Version 3.0 - April 2023
3. A notice of exceedance was issued following an SO_2 spill per Section 28 of O. Reg. 419/05, and in accordance with Section 29 of O. Reg. 419/05 , an abatement plan was submitted to address the incident.

Made by: VC
Checked by: JJZ

ATTACHMENT 3

Acoustic Assessment Summary Table

Table 1: Phased noise Mitigation PORs Daytime

POR ID	Existing as of Dec 31 2024 (dBA)	After Fully Implemented NAAP (dBA)	Noise Limit (dBA)	Expected Compliance Achievement Date	Compliance with MECP Noise Limits After Implementation of NAAP Controls
POR003	42	42	45	Existing	Yes
POR003A	41	41	45	Existing	Yes
POR006	40	40	45	Existing	Yes
POR006A	40	40	45	Existing	Yes
POR016	42	40	45	Existing	Yes
POR016A	42	40	45	Existing	Yes
POR020	42	41	45	Existing	Yes
POR020A	41	40	45	Existing	Yes
POR037	45	44	45	Existing	Yes
POR037A	45	44	45	Existing	Yes
POR044	43	42	45	Existing	Yes
POR044A	42	42	45	Existing	Yes
POR061	44	42	45	Existing	Yes
POR061A	43	42	45	Existing	Yes

Table 2: Phased Noise Mitigation PORs Nighttime

POR ID	Existing as of Dec 31 2024 (dBA)	After Fully Implemented NAAP (dBA)	Noise Limit (dBA)	Expected Compliance Achievement Date	Compliance with MECP Noise Limits After Implementation of NAAP Controls
POR003	35	34	40	Existing	Yes
POR003A	31	31	-	Existing	Yes
POR006	33	33	40	Existing	Yes
POR006A	33	32	-	Existing	Yes
POR016	42	39	40	After NAAP Fully Implemented	Yes
POR016A	42	39	-	After NAAP Fully Implemented	Yes
POR020	40	38	40	Existing	Yes
POR020A	38	37	-	Existing	Yes
POR037	41	40	40	After NAAP Fully Implemented	Yes
POR037A	41	40	-	After NAAP Fully Implemented	Yes
POR044	40	40	40	Existing	Yes
POR044A	40	40	-	Existing	Yes
POR061	42	40	40	After NAAP Fully Implemented	Yes
POR061A	41	40	-	After NAAP Fully Implemented	Yes

ATTACHMENT 4

Summary of Operational Events that May Have Negatively Impacted the Environment

Start Date	Event	SAC Reference #	Incident Reason	Corrective Action
01/13/2024	Elevated Opacity	1-4KYX5N	External Power Failure	Restarted System
01/13/2024	Elevated Opacity	1-4KYX5N	External Power Failure	Restarted System
01/16/2024	Elevated Opacity	1-4LD4E4	Plant Lost Air Pressure	Started compressor
01/17/2024	Elevated Opacity	1-4LEQ16	Raw Mill Problem	Adjusted Kiln Feed
01/17/2024	Elevated Opacity	1-4LEQ17	Raw Mill Problem	Adjusted Kiln Feed
01/18/2024	Elevated SO2	1-4LRSV7	Bypass Stack Elevated SO2 due to process conditions	Adjusted Airflow
01/20/2024	Elevated SO2	1-4LY2GF	Bypass Stack Elevated SO2 due to process conditions	Adjusted Airflow
01/22/2024	Elevated SO2	1-4LX0GZ	Bypass Stack Elevated SO2 due to process conditions	Adjusted Airflow
01/25/2024	Elevated Opacity	1-4M4MON	6 fan tripped	Reset restarted
03/07/2024	Elevated Opacity	1-4U5U2I	Precipitator Problem	Restored power
03/08/2024	Elevated Opacity	1-4UGUDQ	Other Known Excess Causes	No corrective action needed
03/10/2024	Elevated SO2	1-PFFQY6	Lime Flow Issue	Blockage cleared and control media flowing
03/13/2024	Elevated SO2	1-4ZMIR5	Lime Flow Issue	Blockage cleared and control media flowing
03/14/2024	Elevated Opacity	1-4ZKNJF	Precipitator Problem	Manual override of system
03/19/2024	Elevated Opacity	1-52NH8L	ESP Trip	Precip repaired
04/01/2024	Elevated SO2	1-25CAVMJ	Lime system blower not functional	Switched to East silo and restarted once refilled with lime
04/15/2024	Elevated SO2	1-5SQ565	Lime Silo Reading Error	Control Media added to Silo and reading corrected
4/16/2024	Elevated SO2	1-5TAEYL	Lime Flow Issue	Blockage cleared and control media flowing
04/19/2024	Elevated Opacity	1-5456K8	ESP Trip	Repaired ESP issue
04/20/2024	Elevated Opacity	1-6OAZWW	ESP Trip	Reset restarted
05/08/2024	Elevated Opacity	1-6KSERH	Fuel Feed Problem	Turned gas back on
05/11/2024	Elevated Opacity	1-6NEP4I	ESP Trip	Replaced fuse; restarted
05/26/2024	Elevated Opacity	1-71ST00	ESP Trip	Slowed kiln & reduced CT temps.
05/27/2024	Elevated Opacity	1-73242B	ESP Trip	Replaced fuse
05/29/2024	Elevated Opacity	1-75XILH	Communication Failure	Reset restarted

07/10/2024	Elevated Opacity	1-8TA6LS	Fuel Feed Problem	Restart back-up compressor
07/19/2024	Elevated Opacity	1-94KST8	Changing Fuels	Adjusted Fuel Feed
07/24/2024	Elevated Opacity	1-9A34TS	External Power Lost	Reset restarted
07/29/2024	Elevated Opacity	1-9EQZRU	Combustion Control Problem	Took system out of auto
08/18/2024	Elevated Opacity	1-92ONLS	Power Interruption	Electrician worked on issues
08/26/2024	Elevated Opacity	1-A9JN55	Lost Flame	Gas pilot re-lit
09/03/2024	Elevated Opacity	1-AGO16W	Kiln Shutdown	Adjust dampers
09/05/2024	Elevated Opacity	1-AJ02YE	Internal Power Failure	Issue assessed and power restored once identified
09/06/2024	Elevated Opacity	1-AL6AXI	Kiln Push	Aux gas and main gas restarted
09/08/2024	Elevated Opacity	1-ALQU2T	ESP Trip	Electrician reset precip
09/09/2024	Elevated Opacity	1-AMY6BP	ESP Trip	Kiln slowed, fans reduced
09/21/2024	Elevated Opacity	1-A5QR7M	ESP Trip	Electrician reset precip
10/01/2024	Elevated Opacity	1-BHM60G	Combustion Control Problem	Relight gas
10/12/2024	Elevated Opacity	1-C0QJ25	Loesche Mill 9 Shutdown	Reset rotary valve
10/13/2024	Elevated Opacity	1-C1W8GI	Precipitator Problem	Electrician replaced fuse
10/14/2024	Elevated Opacity	1-C1442B	Control Equipment Malfunction	Adjust dampers
10/20/2024	Elevated SO2	Reported	Feed rock Sulfur elevated in combination with Mill down causing emissions spike	Installing improved dry sorbent emissions control system
10/24/2024	Elevated Opactiy	1-CG7OCX	Shutdown 4 fan	Cut kiln back, inspected by maintenance
10/27/2024	Elevated Opacity	1-CJX8XM	ESP Trip	Electrician reset precip
10/29/2024	Elevated Opacity	1-CN4B7Q	ESP TRIP	Electrician reset precip
11/02/2024	Elevated Opacity	1-CTORDR	ESP Trip	Cut back production
11/16/2024	Elevated Opacity	1-DFXBCL	Internal Power Failure	Restarted System
11/16/2024	Elevated Opacity	1-DGNDS4	Power Interruption	N/A
12/03/2024	Elevated Opacity	1-E8WCML	ESP Trip	Adjusted feed rate, reset precips

12/04/2024	Elevated Opacity	1-EB9T4J	Power Failure	Electrician reset loesche pump, replaced starter
12/15/2024	Elevated Opacity	1-ETBYJE	ESP Trip	Cut back production fans
12/27/2024	Elevated Opacity	1-FB7KFS	Fuel Feed Problem	Corrected Feed Issue
12/30/2024	Elevated Opacity	1-FE5D4W	Kiln Shutdown	Shut fans down, then restarted

ATTACHMENT 5

Summary of Complaints

Complaint Date	Reported to Ministry of Environment	Complaint	Corrective Action
28-Aug-24	YES	Dust Impact on Neighboring Property	Increased monitoring of Dust during shutdown process
03-Sep-24	YES	Dust Impact on Neighboring Property	Clear loose material off of roadways and increase roadway water truck use
03-Sep-24	YES	Dust Impact on Neighboring Property	Clear loose material off of roadways and increase roadway water truck use
03-Sep-24	YES	Dust Impact on Neighboring Property	Clear loose material off of roadways and increase roadway water truck use
21-Oct-24	YES	Dust Impact on Neighboring Property	Increase use of water truck at and around storage hall during windy periods
21-Oct-24	YES	Dust Impact on Neighboring Property	Increase use of water truck at and around storage hall during windy periods

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