



DEPARTMENT ORDER

Oldcastle Lawn & Garden, Inc.
Androscoggin County
Poland, Maine
A-964-71-J- A

Departmental
Findings of Fact and Order
Air Emission License
Amendment #1

FINDINGS OF FACT

After review of the air emission license amendment application, staff investigation reports, and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 Maine Revised Statutes (M.R.S.) § 344 and § 590, the Maine Department of Environmental Protection (the Department) finds the following facts:

I. REGISTRATION

A. Introduction

Oldcastle Lawn & Garden, Inc. (Oldcastle) was issued Air Emission License A-964-71-I-R/A on June 24, 2024, for the operation of emission sources associated with their garden mulch and amended soils manufacturing facility.

The equipment addressed in this license amendment is located at 481 Springwater Road, Poland Spring, Maine.

Oldcastle has requested an amendment to their license in order to reinstate the previously licensed CEC Screen Engine and the CBI Pre-Screener Engine which were removed in previous air emission license actions.

B. Emission Equipment

The following equipment is addressed in this Air Emission License Amendment:

Engines

Unit ID	Max. Capacity (MMBtu/hr)	Max. Firing Rate (gal/hr)	Fuel Type	Date of Manuf.
CEC Screen Engine	0.8	6.0	distillate fuel	2003
CBI Pre-Screener Engine	1.1	8.0	distillate fuel	2006

C. Application Classification

All rules, regulations, or statutes referenced in this air emission license refer to the amended version in effect as of the date this license was issued.

The modification of a minor source is considered a major or minor modification based on whether or not expected emission increases exceed the “Significant Emissions” levels as defined in the Department’s *Definitions Regulation*, 06-096 Code of Maine Rules (C.M.R.) ch. 100. The emission increases are determined by subtracting the current licensed annual emissions preceding the modification from the maximum future licensed annual emissions, as follows:

Pollutant	Current License (tpy)	Future License (tpy)	Net Change (tpy)	Significant Emission Levels
PM	1.3	1.3	0.0	100
PM ₁₀	1.3	1.3	0.0	100
PM _{2.5}	1.3	1.3	0.0	100
SO ₂	0.1	0.1	0.0	100
NO _x	45.4	45.4	0.0	100
CO	9.8	9.8	0.0	100
VOC	3.7	3.7	0.0	100

This modification is determined to be a minor modification and has been processed as such.

D. Facility Classification

With the annual fuel limit on the engines, the facility is licensed as follows:

- As a synthetic minor source of air emissions for criteria pollutants, because Oldcastle is subject to license restrictions that keep facility emissions below major source thresholds for NO_x; and
- As an area source of hazardous air pollutants (HAP), because the licensed emissions are below the major source thresholds for HAP.

II. BEST PRACTICAL TREATMENT

A. Introduction

In order to receive a license, the applicant must control emissions from each unit to a level considered by the Department to represent Best Practical Treatment (BPT), as defined in *Definitions Regulation*, 06-096 C.M.R. ch. 100. Separate control requirement categories exist for new and existing equipment.

BPT for existing emissions equipment means that method which controls or reduces emissions to the lowest possible level considering:

- the existing state of technology;
- the effectiveness of available alternatives for reducing emissions from the source being considered; and
- the economic feasibility for the type of establishment involved.

B. CEC Screen Engine and CBI Pre-Screen Engine

The CEC Screen Engine and the CBI Pre-Screen Engine were previously included in this air emission license but were removed when they were moved to a facility in a different state, as addressed in air emission license A-964-71-I-R/A and A-964-71-F-A, respectively. Oldcastle is now planning to again operate the engines at its Poland, Maine facility. The CEC Screen Engine and CBI Pre-Screen Engine are both used to mechanically power material sizing screens. The CEC Screen Engine and the CBI Pre-Screen Engine are portable engines with maximum capacities of 0.8 and 1.1 MMBtu/hr, respectively, both firing distillate fuel, and were manufactured in 2003 and 2006, respectively. The fuel fired in the CEC Screen Engine and the CBI Pre-Screen Engine shall be included in the facility wide limit of 150,000 gallons/year on a calendar year total basis of distillate fuel with a maximum sulfur content not to exceed 15 ppm (0.0015% sulfur by weight). This fuel limit shall apply regardless of where the units are operated within Maine.

1. BPT Findings

The BPT emission limits for the CEC Screen Engine and the CBI Pre-Screen Engine were based on the following:

- PM/PM₁₀/PM_{2.5} – 0.12 lb/MMBtu from 06-096 C.M.R. ch. 115, BPT
- SO₂ – Combustion of distillate fuel with a maximum sulfur content not to exceed 15 ppm (0.0015% sulfur by weight)
- NO_x – 4.41 lb/MMBtu from AP-42 Table 3.3-1 dated 4/25
- CO – 0.95 lb/MMBtu from AP-42 Table 3.3-1 dated 4/25
- VOC – 0.36 lb/MMBtu from AP-42 Table 3.3-1 dated 4/25
- Visible Emissions – 06-096 C.M.R. ch. 101

The BPT emission limits for the CEC Screen Engine and CBI Pre-Screen Engine are the following:

Unit	PM (lb/hr)	PM ₁₀ (lb/hr)	PM _{2.5} (lb/hr)	SO ₂ (lb/hr)	NO _x (lb/hr)	CO (lb/hr)	VOC (lb/hr)
CEC Screen Engine	0.10	0.10	0.10	0.01	3.53	0.76	0.29
CBI Pre-Screen Engine	0.13	0.13	0.13	0.01	4.85	1.05	0.40

Visible emissions from the CBI Pre-Screen Engine shall not exceed 20% opacity on a six-minute block average basis.

Visible emissions from the CEC Screen Engine shall not exceed 20% opacity on a six-minute block average basis except for periods of startup during which time Oldcastle shall either meet the normal operating visible emissions standard or the following work practice standards and alternative visible emissions standard.

- a. The duration of the startup shall not exceed 30 minutes per event;
- b. Visible emissions shall not exceed 50% opacity on a six-minute block average basis; and
- c. Oldcastle shall keep records of the date, time, and duration of each startup.

Use of the work practice standards and alternative visible emissions standard in lieu of the normal operating standard is limited to no more than once per day.

Note: This does not limit the engine to one startup per day. It only limits the use of the alternative emission standard to once per day.

2. Chapter 169

The CEC Screen Engine and the CBI Pre-Screen Engine are not generators and are therefore exempt from *Stationary Generators*, 06-096 C.M.R. ch. 169 pursuant to section 1.

3. National Emission Standards for Hazardous Air Pollutants

The CEC Screen Engine and the CBI Pre-Screen Engine are not subject to *National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines*, 40 C.F.R. Part 63, Subpart ZZZZ.

The definition in 40 C.F.R. § 1068.30 states that a non-road engine is an internal combustion engine that meets certain criteria, including: “Portable or transportable, meaning designed to be and capable of being carried or moved from one location to another. Indicia of transportability include, but are not limited to, wheels, skids, carrying handles, dolly, trailer, or platform.” The regulation further states at 40 C.F.R. § 1068.30 that an engine is not a non-road engine if it remains or will remain at a location for more than 12 consecutive months or for a shorter period of time if sited at a seasonal source. A seasonal source is a source that remains in a single location for two years or more and which operates for fewer than 12 months in a calendar year. If an engine operates at a seasonal source for one entire season, the engine does not meet the criteria of a non-road engine and is subject to applicable stationary engine requirements. [40 C.F.R. § 63.6585]

The CEC Screen Engine and the CBI Pre-Screen Engine are considered non-road engines, as opposed to a stationary engines, since The CEC Screen Engine and the CBI Pre-Screen Engine are portable and will be moved to various sites within the facility.

4. New Source Performance Standards

The CBI Pre-Screen Engine is not subject to *Standards of Performance for Stationary Compression Ignition Internal Combustion Engines*, 40 C.F.R. Part 60, Subpart III.

The CBI Pre-Screen Engine is considered a non-road engine, as opposed to a stationary engine, since the CBI Pre-Screen Engine is portable and will be moved to various sites within the facility.

The CEC Screen Engine was manufactured prior to April 1, 2006. Therefore, it is not subject to 40 C.F.R. Part 60, Subpart III. [40 C.F.R. § 60.4200]

C. Emission Statements

Oldcastle is subject to emissions inventory requirements contained in *Emission Statements*, 06-096 C.M.R. ch. 137. Oldcastle shall maintain the following records in order to comply with this rule:

1. The amount of distillate fuel fired in the Rotochopper Engine, the CBI AirMax Engine, the Edge 622 Screen Engine, the Komptech Screen Engine, the Phoenix 3300 Screen Engine, the McCloskey Trommel Engine, the CEC Screen Engine, and the CBI Pre-Screen Engine (each) on a monthly basis;
2. The sulfur content of the distillate fuel fired in the Rotochopper Engine, the CBI AirMax Engine, the Edge 622 Screen Engine, the Komptech Screen Engine, the Phoenix 3300 Screen Engine, the McCloskey Trommel Engine, the CEC Screen Engine and the CBI Pre-Screen Engine; and
3. The amount and VOC content of solvent added to the parts washer.

Every third year, or as requested by the Department, Oldcastle shall report to the Department emissions of hazardous air pollutants as required pursuant to 06-096 C.M.R. ch. 137, § (3)(C). The next report is due no later than May 15, 2027, for emissions occurring in calendar year 2026. The Department will use these reports to calculate and invoice for the applicable annual air quality surcharge for the subsequent three billing periods. Oldcastle shall pay the annual air quality surcharge, calculated by the Department based on these reported emissions of hazardous air pollutants, by the date required in Title 38 M.R.S. § 353-A(3).
[38 M.R.S. § 353-A(1-A)]

D. Annual Emissions

This license amendment will not change the facility's licensed annual emissions.

ORDER

Based on the above Findings and subject to conditions listed below, the Department concludes that the emissions from this source:

- will receive Best Practical Treatment,
- will not violate applicable emission standards,
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License Amendment A-964-71-J-A, subject to the conditions found in Air Emission A-964-71-I-R/A, and the following conditions.

Severability. The invalidity or unenforceability of any provision of this License Amendment or part thereof shall not affect the remainder of the provision or any other provisions. This License Amendment shall be construed and enforced in all respects as if such invalid or unenforceable provision or part thereof had been omitted.

SPECIFIC CONDITIONS

The following shall replace Conditions (17) and (21) of Air Emission License A-964-71-I-R/A:

(17) Engines

A. Fuel Use

1. The Rotochopper Engine, the CBI AirMax Engine, the Edge 622 Screen Engine, the Komptech Screen Engine, the Phoenix 3300 Screen Engine, the McCloskey Trommel Engine, the CEC Screen Engine, and the CBI Pre-Screen Engine are licensed to fire distillate fuel with a maximum sulfur content not to exceed 15 ppm (0.0015% sulfur by weight). Compliance shall be demonstrated by fuel delivery receipts from the supplier, fuel supplier certification, certificate of analysis, or testing of fuel in the tank on-site. [06-096 C.M.R. ch. 115, BPT]
2. Total fuel use for engines combined shall not exceed 150,000 gal/yr of distillate fuel, regardless of where the units are operated within Maine. Compliance shall be demonstrated by fuel records from the supplier showing the quantity and type of fuel delivered. Records of annual fuel use shall be kept on a monthly and calendar year basis. [06-096 C.M.R. ch. 115, BPT]

B. Emissions shall not exceed the following:

Unit	Pollutant	lb/MMBtu	Origin and Authority
Rotochopper Engine	PM	0.12	06-096 C.M.R. ch. 103, § (2)(B)(1)(a)

C. Emissions shall not exceed the following [06-096 C.M.R. ch. 115, BPT]:

Unit	PM (lb/hr)	PM ₁₀ (lb/hr)	PM _{2.5} (lb/hr)	SO ₂ (lb/hr)	NO _x (lb/hr)	CO (lb/hr)	VOC (lb/hr)
Rotochopper Engine	0.78	0.78	0.78	0.01	20.82	5.53	0.59
CBI AirMax Engine	0.31	0.31	0.31	0.01	11.54	2.49	0.94
Edge 622 Screen Engine	0.15	0.15	0.15	0.01	5.56	1.20	0.45
Komptech Screen Engine	0.13	0.13	0.13	0.01	4.71	1.02	0.38
Phoenix 3300 Screen Engine	0.12	0.12	0.12	0.01	4.53	0.98	0.37
McCloskey Trommel Engine	0.15	0.15	0.15	0.01	5.56	1.20	0.45
CEC Screen Engine	0.10	0.10	0.10	0.01	3.53	0.76	0.29
CBI Pre-Screen Engine	0.13	0.13	0.13	0.01	4.85	1.05	0.40

D. Visible Emissions

Visible emissions from the Rotochopper Engine, the Edge 622 Screen Engine, the Komptech Screen Engine, the Phoenix 3300 Screen Engine, the McCloskey Trommel Engine, and the CBI Pre-Screen Engine shall each not exceed 20% opacity on a six-minute block average basis. [06-096 C.M.R. ch. 101, § 4(A)(4)]

Visible emissions from CBI AirMax Engine and the CEC Screen Engine shall each not exceed 20% opacity on a six-minute block average basis except for periods of startup during which time Oldcastle shall either meet the normal operating visible emissions standard or the following work practice standards and alternative visible emissions standard.

1. The duration of the startup shall not exceed 30 minutes per event;
2. Visible emissions shall not exceed 50% opacity on a six-minute block average basis; and
3. Oldcastle shall keep records of the date, time, and duration of each startup.

Use of the work practice standards and alternative visible emissions standard in lieu of the normal operating standard is limited to no more than once per day.

Note: This does not limit the engine to one startup per day. It only limits the use of the alternative emission standard to once per day.

(21) **Annual Emission Statements**

- A. In accordance with *Emission Statements*, 06-096 C.M.R. ch. 137, Oldcastle shall annually report to the Department, in a format prescribed by the Department, the information necessary to accurately update the State's emission inventory. The emission statement shall be submitted as specified by the date in 06-096 C.M.R. ch. 137.
- B. Oldcastle shall keep the following records in order to comply with 06-096 C.M.R. ch. 137:
1. The amount of distillate fuel fired in the Rotochopper Engine, the CBI AirMax Engine, the Edge 622 Screen Engine, the Komptech Screen Engine, the Phoenix 3300 Screen Engine, the McCloskey Trommel Engine, the CEC Screen Engine, and the CBI Pre-Screen Engine (each) on a monthly basis;
 2. The sulfur content of the distillate fuel fired in the Rotochopper Engine, the CBI AirMax Engine, the Edge 622 Screen Engine, the Komptech Screen Engine, the Phoenix 3300 Screen Engine, the McCloskey Trommel Engine the CEC Screen Engine, and the CBI Pre-Screen Engine; and
 3. The amount and VOC content of solvent added to the parts washer.
- [06-096 C.M.R. ch. 137]

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C. Every third year, or as requested by the Department, Oldcastle shall report to the Department emissions of hazardous air pollutants as required pursuant to 06-096 C.M.R. ch. 137, § (3)(C). The next report is due no later than May 15, 2027, for emissions occurring in calendar year 2026. Oldcastle shall pay the annual air quality surcharge, calculated by the Department based on these reported emissions of hazardous air pollutants, by the date required in Title 38 M.R.S. § 353-A(3).
[38 M.R.S. § 353-A(1-A)]

DONE AND DATED IN AUGUSTA, MAINE THIS 7th DAY OF NOVEMBER, 2025.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY:  for
MELANIE LOYZIM, COMMISSIONER

The term of this license amendment shall be ten (10) years from the issuance of Air Emission License A-964-71-I-R/A (issued 06/24/2024).

[Note: If a renewal application, determined as complete by the Department, is submitted prior to expiration of this license, then pursuant to Title 5 M.R.S. § 10002, all terms and conditions of the license shall remain in effect until the Department takes final action on the license renewal application.]

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 6/25/25

Date of application acceptance: 7/2/25

This Order prepared by Chris Ham, Bureau of Air Quality.