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Boston, MA 02114

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f a c t s h e e t

P.J. Keating Company • 72 South Main Street, Acushnet

Non-Major Comprehensive Plan Application No. 25-AQ02P-0004-APP

Introduction

The Massachusetts Department of Environmental Protection (“MassDEP” or the “Department”) regulates emissions to air from various sources, such as industrial facilities, power plants, and other operations, through the issuance of permits and approvals. These permits outline specific limits and requirements for emissions of certain air pollutants. The purpose of these permits is to ensure facilities operate in compliance with state and federal air quality regulations, protecting public health, safety or the environment. MassDEP evaluates permit applications, sets emission limits based on factors like air quality standards and technological feasibility, and may require facilities to implement pollution control measures or monitoring systems. Facilities must apply for and obtain an air permit or approval before constructing or modifying operations that could potentially emit air pollutants. Compliance with the conditions outlined in the permit is essential to avoid enforcement actions and potential penalties from MassDEP. Regular inspections as well as testing and monitoring may also be conducted to verify compliance with requirements.

P.J. Keating Company has filed an Air Quality Permit Application, non-major comprehensive plan application (NMCPA - No. 25-AQ02P-0004-APP - “the application”) with MassDEP for the alteration of existing rock crushing operations at a quarry located at 72 South Main Street, Acushnet, Massachusetts. If approved, this will result in a net decrease to the facility’s allowable particulate matter emissions.

The proposed operation is subject to the Massachusetts Air Pollution Control Regulations (310 CMR 7.00). Prior to commencing construction, the facility operator is required to apply for and obtain a permit, known as an “Approval.” Currently, MassDEP is in the process of reviewing the application. Upon completion of the review, MassDEP will issue a proposed decision, either approving or denying the application. Subsequently, a 30-day public comment period will be provided on the proposed decision. Information regarding how to review the application, receive notification of MassDEP’s proposed decision, and submit comments can be found in the “How to Comment” section of this Fact Sheet.

Facility Information

P.J. Keating Company is a rock crushing and hot mix asphalt production facility. The asphalt is produced either from rock quarried and crushed on site or from crushed rock shipped in via trucks.

The facility operates a 9 by 47-foot drum mixer with an asphalt production capacity of 500 tons per hour, a natural gas-fired dryer with a maximum firing rate of 125 million British Thermal Units per hour (MMBTU/hr), eight (8) 250-ton asphalt storage silos, a hot oil heater with a maximum firing rate of 2.5 MMBTU/hr, a stationary rock crusher with a crushing capacity of 1,000 tons per hour, a portable rock crusher with a crushing capacity of 375 tons per hour, two (2) 20,000 gallon liquid asphalt storage tanks and one (1) 30,000 gallon liquid asphalt storage tank. The crushers are powered via electric line power.

All operations and equipment mentioned above are permitted under Final Approval No. AQ02P-0000032 (Application No. 20-AQ02P-0020-APP). Emissions controls at the facility include a two-stage dust collector for drum mixer emissions, a mist collection system for the storage silos, a wet dust suppression system for each rock crusher, and fume vent condenser and odor suppressing additive for the liquid asphalt storage tanks. The operations at the facility generate emissions of particulate matter (PM), nitrogen oxides (NOx), carbon monoxide (CO), sulfur dioxide (SO₂), volatile organic compounds (VOCs) and Hazardous Air Pollutants (HAPs).

The facility is a minor source of all criteria air pollutants and HAPs.

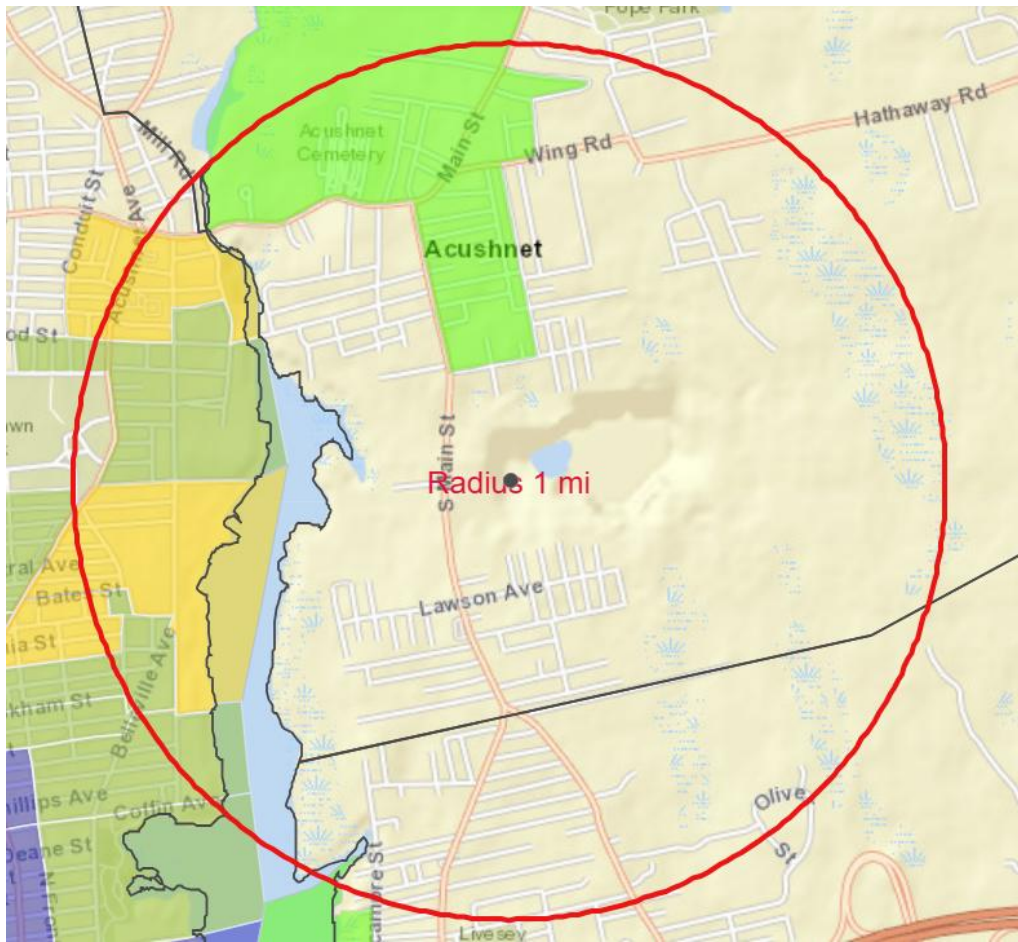
Environmental Justice

Environmental Justice (“EJ”) centers around the belief that everyone deserves protection from pollution and the opportunity to thrive in a clean, healthy environment. It embodies the idea of fair treatment and meaningful participation for all individuals regarding the creation, execution, and enforcement of environmental regulations, as well as the fair allocation of environmental advantages. MassDEP employs United States census data to pinpoint census block groups designated as environmental justice areas, using criteria such as income, minority population percentage, and language accessibility. MassDEP is dedicated to ensuring that inhabitants of EJ areas have the opportunity for meaningful engagement in MassDEP activities within their community. For more information on MassDEP’s EJ program please visit <https://www.mass.gov/environmental-justice> or you can also contact Debbie Marshall-Hewlitt, MassDEP’s Southeast Regional Office Environmental Justice Coordinator, at Deborah.marshall-hewlitt@mass.gov, (774) 384-3564.

MassDEP is required to look at the population within a one-mile radius of facilities submitting non-major comprehensive plan applications. P.J. Keating Company is surrounded by the following EJ designated areas: Block Group 2, Census Tract 6503 by the criteria Minority; Block

Group 1, Census Tract 6504 by the criteria Minority; Block Group 2, Census Tract 6542 by the criteria Income; Block Group 3, Census Tract 6552 by the criteria Income; Block Group 3, Census Tract 6503 by the criteria Minority and Income; Block Group 3, Census Tract 6504 by the criteria Minority and Income; Block Group 1, Census Tract 6506 by the criteria Minority and Income; Block Group 1, Census Tract 6507 by the criteria Minority and Income; Block Group 4 Census Tract 6504 by the criteria Minority; Block Group 3, Census Tract 6506 by the criteria Minority and Income; and Block Group 2, Census Tract 6504 by the criteria Minority and Income. This data was obtained from the EEA EJ Map Viewer Tool at <https://www.mass.gov/info-details/massgis-data-2020-us-census-environmental-justice-populations>.

Within one mile of the facility there are identified census tracts where at least 5% of the population has both Portuguese and Spanish speakers in the homes of public school students, who reported they speak a language other than English. Accordingly, this EJ Fact Sheet and forthcoming Notice of Public Comment period will be translated into Portuguese and Spanish and circulated within the communities of Acushnet, Fairhaven and New Bedford.



- Minority: the block group minority population is $\geq 40\%$, or the block group minority population is $\geq 25\%$ and the median household income of the municipality the block group is in is $< 150\%$ of the Massachusetts median household income
- Income: the block group median household income is 65% or less than the state median household income
- Minority and Income

Project Information

The application proposes modification of the facility's existing rock-crushing operations. P.J. Keating Company is seeking to decrease the permissible quantity of rock crushed by the stationary crusher and increase the permissible quantity of rock crushed by the portable crusher. The changes in rock-crushing tonnage limits for each unit will result in a net decrease to the facility's particulate matter emission limitations. The proposed rock crushing limitations and associated emissions are summarized below.

Facility-wide Rock Crusher Operational Limitations				
	Monthly Limit (tons of rock crushed per month)		Annual Limit (tons of rock crushed per year)	
	Current	Proposed	Current	Proposed
Portable Rock Crusher	43,200	667,000	108,000	1,200,000
Stationary Rock Crusher	600,000	267,000	3,800,000	480,000

Rock Crusher Total PM Emission Limitations						
	Monthly Limit (tons of total PM emitted per month)			Annual Limit (tons of total PM emitted per year)		
	Current	Proposed	Change	Current	Proposed	Change
Portable Rock Crusher	0.114	2.92	+ 2.806	0.286	7.30	+ 7.014
Stationary Rock Crusher	7.39	0.04	- 7.35	46.78	0.093	- 46.687

The facility is also seeking to replace the previously approved portable rock crusher. The proposed portable crusher equipment includes a primary jaw crusher, two cone crushers, three screens, and numerous conveyors.

Additionally, P.J. Keating Company is seeking a modification to allow for the portable crusher to be operated at any of three (3) locations around the quarry. The proposed locations are identified on the map below. To reduce noise pollution, the portable crushing unit will be equipped with acoustic barriers. Modeling of potential sound increases from rock crushing has been conducted for each proposed rock crusher location. Should the proposed modifications be approved, P. J. Keating Company will be required to perform a sound study to confirm the results of the modeling,



How to Comment

MassDEP is currently reviewing Application No. 25-AQ02P-0004-APP. The permit application is currently available for public review via the EEA ePLACE Public Access Portal:

<https://eeaonline.eea.state.ma.us/EEA/PublicApp/>

On the main EEA ePLACE Portal page, click on the orange “Search and/or Comment” button, then click on the name of the applicant/facility on the resulting page.

After MassDEP completes its review of the permit application, the agency will issue a proposed decision subject to a 30-day public comment period. This information will also be posted in the ePLACE Public Access Portal.

Contact Information

MassDEP Southeast Regional Office Chris Redus, Environmental Engineer MassDEP Southeast Regional Office 20 Riverside Drive Lakeville, MA 02347 Christopher.Redus@mass.gov (857) 274-1036	P.J. Keating Company Facility Contact Derrick Hill P.J. Keating Company 72 South Main Street Acushnet, MA 02743 Derrick.Hill@pjkeating.com (978) 502-2913
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