

**6 NYCRR PART 360 PERMIT RENEWAL AND MSE BERM
MODIFICATION APPLICATION
DUNN MINE AND C&D FACILITY**

Prepared For:

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CEE Project 182-442

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CERTIFICATION PAGE
DUNN MINE AND C&D FACILITY

The material and data in this report were prepared under the supervision and direction of the undersigned.

Civil & Environmental Engineering, Landscape
Architecture and Land Surveying, PLLC

Amy J. Knight
Amy J. Knight, P.E. 11/21/2022

A circular professional seal for Amy J. Knight, a Professional Engineer in the State of New York. The seal features the text "STATE OF NEW YORK" at the top, "AMY J. KNIGHT" in the center, and "LICENSED PROFESSIONAL ENGINEER" at the bottom. The license number "076341" is also visible. The seal is partially overlaid by a handwritten signature and a date.

1.0 INTRODUCTION

1.1 GENERAL

The purpose of this permit renewal and modification application, and accompanying appendices is to renew the existing permit which expires July 19, 2022, and to describe the proposed modification to the existing Dunn Mine and Construction & Demolitions (C&D) Facility. This permit renewal and modification application has been prepared consistent with the requirements set forth in 6CRR-NY 360.16(g) Permit Renewals and 16(f) Permit Modifications which require that *“An application to modify a permit must include a description of the proposed modification, a description of the impacts of the proposed modification on the facility, and a demonstration that, under the modified permit, the facility will comply with the applicable parts of this Title.”* The components of this permit application are described in Section 1.3 and have been prepared to demonstrate that the proposed renewal and modification will comply with applicable parts of Part 360 and Part 363.

The facility is an existing, permitted C&D disposal facility located in Rensselaer and North Greenbush, New York. It is owned and operated by S.A. Dunn & Company, LLC (S.A. Dunn). S.A. Dunn plans to modify the permitted landfill layout by incorporating a mechanically stabilized earthen (MSE) berm on the northern and eastern sides of the site. The proposed modification decreases the C&D disposal area footprint by 1.2 acres and is not expected to result in any adverse impacts. There are otherwise no changes to mining or C&D disposal operational conditions associated with the permit renewal. A permit application form is included in Appendix A.

1.2 PROJECT DESCRIPTION

The facility is currently permitted to operate under a permit initially issued by the New York State Department of Environmental Conservation (NYSDEC) on July 20, 2012 and renewed on September 9, 2016, with a stated expiration date of July 20, 2022 (Permit DEC #4-3899-00006/00006). The permit encompasses both the mining and disposal activities. Initial permitting for the landfill site was prepared by C.T. Male Associates, P.C. and included a Draft Environmental Impact Statement accepted by NYSDEC on January 9, 2012, a Final Environmental Impact Statement dated May 2012, and a solid waste permit application, including engineering drawings, dated October 2010, last revised December 2011. Subsequent to receiving approval for construction of the facility, the construction phasing plan as presented in the initial permit application was revised and a minor modification was prepared by Sanborn, Head and Associates

in May 2014. NYSDEC approved the permit revisions, and construction of the site began in late summer 2014. The first phase of construction was approved by NYSDEC in early 2015, and waste placement activities began in January 2015. Subsequently, Civil & Environmental Engineering, Landscape Architecture and Land Surveying, PLCC (CEE) prepared a permit modification to revise the landfill construction sequencing that was approved in September 2015. In 2016, a permit modification to adjust the waste footprint was prepared by CEE and approved by NYSDEC in 2016. Most recently, a permit modification to revise the baseliner construction and waste filling sequence was prepared by CEE and approved by NYSDEC in October 2021.

S.A. Dunn seeks a permit renewal for both its mining and C&D disposal operations. It submitted a Mined Land Permit Reclamation Permit renewal application for the Dunn Facility in August 2021, which will be processed with its Part 360 Solid Waste Management Facility permit renewal application. A Mining Permit Modification Application is included with this submittal to include changes to the Mined Land Use Plan associated with the MSE Berm. The permit renewal will not change or expand the mining or landfill operations.

The proposed permit modification includes construction of a MSE berm on the northerly and easterly sides of the site. The current footprint limit, along with the approximate limits of the proposed modification, is shown on Sheet C100 of the permit drawings, located in Appendix H. The reduced C&D disposal area is approximately 1.2 acres.

The proposed MSE Berm will consist of a perimeter berm on which a stormwater swale and access road consistent with the current landfill permit will be constructed. The engineering design and drawings developed for the MSE Berm are included in Appendix I.

1.3 PERMIT APPLICATION

The information required to modify and renew an existing permit application are listed in 6 NYCRR Part 360-16(f) and (g) and Part 363 as applicable. These requirements and the location within this permit application are detailed below:

- Engineering Drawings complying with 6 NYCRR Part 363-4.2 are included as a separate 24-inch by 36-inch set of rolled drawings in Appendix H.
- A Record of Compliance complying with the requirements of 6 NYCRR Part 360-16(f)(i) is included as Appendix B of this application.

- Compliance with the requirements of 6 NYCRR Part 360-16(f)(ii) are outlined in the cover letter of this submittal package.
- An Engineering Report complying with the requirements of 6 NYCRR Part 363-4.3 is included as Appendix C of this application.
- A Facility Manual prepared in accordance with 6 NYCRR Part 363-4.6 is included in Appendix D of this application. The Facility Manual also satisfies the requirements of Part 360.16(f)(iv), which requires an Operations and Maintenance Manual as part of the Permit Renewal.
- A Construction Quality Assurance/Construction Quality Control (CQA/CQC) Manual complying with 6 NYCRR Part 363-4.5 is included as Appendix E of this application.
- A description of the leachate management system as required by 6 NYCRR Part 363-4.3 is provided in Section 2.6 of the Engineering Report in Appendix C. Supporting technical back-up is provided in Appendix B to the Engineering Report and the leachate collection system plan and details are provided on the Engineering Permit Drawings presented in Appendix H.
- Financial assurance for the closure and post-closure costs for the facility through construction of Phase 6C is provided in Appendix G in accordance with 6 NYCRR Part 360.22.