

**NEW YORK STATE ENVIRONMENTAL QUALITY REVIEW ACT (SEQR)**  
**DRAFT SCOPING DOCUMENT FOR**  
**DRAFT ENVIRONMENTAL IMPACT STATEMENT (DEIS)**  
**PROPOSED VALLEY INFILL PROJECT**  
**SENECA MEADOWS LANDFILL TOWN OF SENECA FALLS, SENECA COUNTY,**  
**NEW YORK**

**December 2022**

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**PROJECT SPONSOR:**

Seneca Meadows, Inc.  
1786 Salcman Road  
Waterloo, New York 13165

**SEQR LEAD AGENCY:**

New York State Department of Environmental Conservation, Region 8  
6274 E. Avon-Lima Road  
Avon, New York 14414

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**CONTENTS OF SCOPING DOCUMENT:**

- I. Background
- II. SEQR and the Scoping Process
- III. Draft DEIS Scope Outline
- IV. Draft DEIS Scope Outline Section Descriptions
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## **I. BACKGROUND**

Seneca Meadows Inc. (“SMI” or “project sponsor”) is seeking to increase the life of its existing landfill (“Landfill”) located at 1786 Salcman Road in the Towns of Seneca Falls and Waterloo, Seneca County, New York. The project would add approximately 47 million cubic yards of air space used for the disposal of non-hazardous residential, commercial, institutional, and industrial wastes in the proposed SMI Valley Infill Area (“Valley Infill”). The Valley Infill will involve the construction of approximately 47 acres of newly lined landfill area, as well as overfilling above approximately 191 acres of currently permitted landfill area. The infill will occur in the valley between the Southeast Landfill and Stages 3 and 4 of the Landfill Expansion areas on-Site, and over the top of the Tantalo Waste Disposal Area (Tantalo). The Valley Infill project would also include the relocation or replacement of some Site operational areas south of the Tantalo Waste Disposal Area, including the site Shop and Residential Dropoff Center.

SMI is also seeking an increase in the existing maximum permitted Landfill height by about 70 feet; the existing maximum elevation of 774 feet MSL would increase to 843.5 feet MSL. The type of waste being received at the facility (Municipal Solid Waste) is not proposed to change. In addition, the approved design capacity of the Landfill, which is 6,000 tons per day (TPD), would not change. As a result, there should be no increase in truck traffic associated with the waste disposal operations of the Landfill beyond existing levels of traffic. However, Landfill operation would be extended approximately 15 years, depending upon the waste volume received in a given year.

The project sponsor must obtain the following project approvals from the New York State Department of Environmental Conservation (“NYSDEC”): modification of its existing Solid SMI Facility permit under 6 NYCRR Parts 360 and 363 (“the Part 360/363 permit”); its existing Title V permit under Environmental Conservation Law Article 19 (“the ATV permit”); a Change-of-use approval for the Tantalo Landfill Class 4 Superfund Site; and coverage under the SPDES Multi-Sector General Permit for Stormwater Discharges from Industrial Activities (GP-0-17-004). SMI must also obtain approval from the Town Boards of Seneca Falls and Waterloo (“Town Boards”) for the Site Plan for the Valley Infill project Landfill. In addition, the Site will require Site Plan Approval from each Town’s Planning Board, and the Project will also require Special Use Permit approvals from the Seneca Falls Zoning Board of Appeals and the Town of Waterloo. In addition, the project sponsor must also undergo an obstruction review by the Federal Aviation Authority (“FAA”).

## **II. SEQR AND THE SCOPING PROCESS:**

This proposed project is being reviewed under the New York State Environmental Quality Review Act (“SEQR”) to identify and assess potentially significant adverse environmental impacts and to establish methods and procedures to avoid, minimize or lastly mitigate these impacts. The SEQR Lead Agency is the agency that has the responsibility to coordinate the environmental review process. NYSDEC has been identified as the SEQR Lead Agency for this process after coordinating with the Towns and the County as required under the regulations. A positive declaration has been issued by the NYSDEC, requiring the preparation of an Environmental Impact Statement for the proposed Valley Infill.

A scoping document describes the content and format of a Draft Environmental Impact Statement (DEIS) and is used by the Lead Agency to determine when a prepared DEIS is

adequate for public review. This scoping document identifies the issues to be addressed in the DEIS, which will be prepared to analyze and evaluate this project and is intended to assist involved parties and interested individuals, in providing input on the environmental issues to be addressed.

This draft scoping document is being prepared in accordance with the SEQR regulations at 6 NYCRR § 617.8, which includes a requirement for public participation in the development of the scoping document. Before NYSDEC finalizes the scoping document, public input received on the draft scope will be reviewed and considered. Steps in the SEQR process during which the public has an opportunity to participate are described briefly below:

- **SCOPING** – Under 6 NYCRR § 617.8(a), scoping is a process in which the issues to be addressed in an EIS are identified. Written public comments are received on the draft scope to assist the lead agency in determining what should be discussed and evaluated in the DEIS for the project. The objectives of scoping are to:
  - Identify potentially significant environmental issues.
  - Include the extent and quality of information needed for the preparer to adequately address each impact including existing and new information and methodologies
  - Eliminate insignificant or irrelevant issues.
  - Identify information to be included in an appendix
  - Identify the range of reasonable alternatives to be addressed; and
  - Identify potential mitigation measures.
- **DRAFT ENVIRONMENTAL IMPACT STATEMENT (DEIS)** -- Potentially significant environmental impacts associated with the proposed Valley Infill, which have not already been addressed in the earlier SEQR analyses, will be addressed in this DEIS. Copies of the DEIS and supporting documents, including the 2006 DGEIS, 2007 FGEIS and 2007 NYSDEC Findings Statement prepared for the 2006 Permitting Project of the Seneca Meadows Landfill, will be made available for public review. The 2006 DGEIS, 2007 FGEIS, and 2007 Findings Statement mentioned above, addressed many of the potential environmental impacts that would apply to the proposed Valley Infill, including traffic issues, noise impacts to the north, west and east of the site, odor issues, and impacts to cultural and historic resources. The DEIS prepared for this project will supplement and update impact evaluations provided in the 2006 DGEIS and 2007 FGEIS. The SEQR regulations provide for a minimum of thirty days following completion of the DEIS for the public to review and provide written comments on the DEIS.
- **PUBLIC COMMENT AND HEARINGS** –In addition to accepting written comments on an accepted DEIS, it is DEC’s usual practice to hold a public hearing to receive public comments on an accepted DEIS. This hearing may be either remote or in person.

### **III. DRAFT DEIS OUTLINE**

A preliminary outline of the Draft Environmental Impact Statement (DEIS) is presented below in the form of a DEIS Table of Contents. This outline will be modified, as necessary, based on comments received from involved/interested agencies and the public during the scoping process described above. Detailed descriptions of the analyses and information to be provided for each section of the DEIS are provided in Section IV.

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Each section below describes the information and analyses to be included in the DEIS. In addition, background information is included to provide some preliminary information about the project itself. These sections follow the draft scope outline above.

##### **COVER SHEET**

In accordance with 6 NYCRR § 617.9(b)(3), this will include a single-page cover sheet identifying the type of document (draft, final), title of project, location, name and address of SEQR Lead Agency contact person, name and address of document preparer, date of Lead Agency acceptance, and deadline for acceptance of public and agency comments.

##### **TABLE OF CONTENTS**

This will list the contents of the DEIS and page numbers for each section.

##### **EXECUTIVE SUMMARY**

In accordance with 6 NYCRR § 617.9(b)(4), this introduction section will present an overview of the project, and provide a brief description of the overall proposed project.

## **1.0 EXECUTIVE SUMMARY/INTRODUCTION**

### **1.1 PROJECT IDENTIFICATION**

This section will summarize the history of the Landfill and describe the existing facility. It will include all or some of the following background information:

The project consists of a plan to build and operate approximately 47 acres of additional landfill area (referred to as the “SMI Valley Infill”, or “the Project”) within its existing solid waste landfill facility located in the M-2 Zoning District of the Town of Seneca Falls, Seneca County, New York. The project applicant is Seneca Meadows, Inc. (SMI), with offices at 1786 Salcman Road, Waterloo, New York 13165. The currently permitted landfill began operation in 1958, with permitted oversight of the Facility by the NYSDEC beginning in 1981. The currently permitted capacity will be filled by about 2025.

A description of the various parts of the existing Facility and a brief overview of the project intentions and main objectives will be provided.

A description of the various parts of the existing Facility, as well as some definitions related to the project, will also be provided.

### **1.2 DESCRIPTION OF PROJECT AREA**

The project will take place entirely within the property located at 1786 Salcman Road, operated by SMI. The project will take place within the extent of the previously active landfilling areas, including over the prior Tantalio Landfill. Some of the operational areas at the south end of the property will be changed or relocated to accommodate the project.

### **1.3 PURPOSE AND NEED FOR THE PROJECT**

The project purpose is to extend landfill capacity at the SMI Landfill in the Town of Seneca Falls in a timely fashion to provide critically needed solid waste disposal services locally and for the State. As will be detailed further in Section 1.7, the DEIS will describe the need for the project related to state-wide waste disposal capacity and objectives, and how resource expenditure for out-of-state waste disposal or a new facility within the state can be saved. The DEIS will also discuss current remaining state disposal capacity and break down the critical need of the SMI Landfill to New York State. The project need is demonstrated by the public need for long-term environmentally-sound solid waste disposal capacity.

### **1.4 SUMMARY OF THE PROJECT**

As noted above, the Project is defined as a series of physical activities leading to and including the construction and operation of the SMI Valley Infill. The major activities include:

- Preparation of subgrade areas and utilities, including potential temporary removal of the Tantalio Landfill geosynthetic cap.
- The expansion of existing stormwater basins, if necessary.
- Relocation of operational buildings and areas including the maintenance shop areas, some fuel tanks, the wheel wash station, and the residential drop-off center.

- The construction and operation of the SMI Valley Infill waste disposal project.

The DEIS will include further details on the project, including specific areas to be lined and filled, and further details on project design and permitting requirements.

## **1.5 SUMMARY OF ALTERNATIVES**

This section will summarize the results of the analysis of alternatives to be further discussed in Section 5.

## **1.6 IDENTIFICATION OF POTENTIAL IMPACTS OF THE PROJECT**

This section will include a summary of the potential impacts of the project, to be further discussed in Section 6.

## **1.7 IDENTIFICATION OF MAJOR BENEFITS OF THE PROJECT**

This section of the DEIS will summarize benefits that will arise from the project, to be further discussed in Section 6.

## **1.8 PERMITS AND APPROVALS**

This section will provide an overview of the local, state and federal permits and approvals presently anticipated to be required for the proposed project, the agencies responsible for the approvals, and the applicable law or regulations associated with each approval.

## **1.9 CONCLUSIONS**

This section of the DEIS will briefly revisit the conclusions drawn in each part of Section 1 and go over the needs for the project and why it was concluded to be the best option available to provide critically needed solid waste disposal capacity in an environmentally sound and cost-effective manner.

## **2.0 DESCRIPTION OF PROJECT**

### **2.1 INTRODUCTION AND BACKGROUND**

This section will describe the proposed action subject to review in the DEIS (i.e., the project), in accordance with 6 NYCRR § 617.9(b)(5)(i). It will be provided in narrative form, but also include reference to maps, drawings and technical reports that provide the reader sufficient detail to clearly understand the project

SMI proposes approximately 47-acres of new landfill liner area over the Tantalio Landfill Site and between the side slopes of the existing facility to the east, west, and north of Tantalio. The project will be contiguous to and overlay approximately 144 acres of the existing landfill. The permitted cell elevation will increase by approximately 70 feet, from 774 feet MSL to 843.5 feet MSL

The proposed Valley Infill will add approximately 47 million cubic yards of disposal capacity, which will extend the site life by approximately 15 years, depending on the rate of waste receipt.



The project will begin with the preparation of the new liner areas, including work within the former Tantalo Landfill and on surrounding areas where the double composite liner system will be installed. Once the liner is installed, the Landfill will be developed in phases. Relocation of project related facilities will also be needed.

The DEIS will include, but not be limited to, the following:

- Information on the lead agency and statutory authority for the DEIS and permitting reviews
- Information on the current project permit and landfill filling progress
- A summary of the project information and background

## 2.2 PROJECT LOCATION

This section of the DEIS will contain the following:

- Description of the site, including the area, boundaries, topography.
- Description of access route, and description of populated areas and zoning
- Description of facilities proposed and components of the project, and amount of area to be impacted by the proposed facilities.

The Landfill site (the site) is located in the Towns of Seneca Falls and Waterloo, New York. The existing Landfill is just northeast of Village of Waterloo and approximately a mile northwest of the Hamlet of Seneca Falls. Site access is from NYS Route 414, with the entrance to the Landfill site on the west side of Route 414. Internal roadways have been developed on-site to provide access to various parts of the facility. Additional operational areas, such as the Landfill Gas to Energy Facility (LFGTE Facility), are located to the east of Route 414.

The proposed affected area is presently comprised of currently active landfill and landfill support facilities areas, including leachate storage and treatment facilities, stormwater basins, the current machine shop. and vehicle fueling areas. It also includes the Tantalo landfill which is an inactive landfill and Class 4 Inactive Hazardous Waste Disposal Site. Compliance with 6 NYCRR Part 360.16(h) for facilities at or near sites undergoing a remedial program will be evaluated.

## 2.3 SITE HISTORY

The currently permitted landfill began operation in 1958, with permitted oversight of the Facility by the NYSDEC beginning in 1981. The currently permitted capacity will be filled by about 2025. The DEIS will contain information on the following project history:

- Waste disposal history and prior uses of the SMI Landfill site.
- Permitting and regulatory history for the Site, including a discussion on prior Part 360 permits and modifications.
- A breakdown of different historic areas of the Seneca Meadows property, including the Tantalo Waste Disposal Area and relevant regulatory and waste disposal background information

## 2.4 PROJECT DESIGN

This section will present a thorough discussion of the different components of the actual Valley Infill area. The configuration, design, and necessary landfill construction areas will all be discussed. The DEIS will include, but not be limited to, the following information:

### 2.4.1 Preparation of Subgrade and Related Activities

This section of the DEIS will include the following:

- Discussion of the subgrade preparation and related activities required to prepare the former Tantalio Landfill area to be lined over and overfilled.
- A discussion of the necessary bedrock removal for preparation of site subgrades and methodology and removal needs for that work.

### 2.4.2 Relocation of Operational Buildings

This section will include, but not be limited to, a discussion of the buildings and operational areas which will need to be relocated for the project to be constructed and carried out. These include the maintenance shop, fueling area, wheel wash, Citizens Dropoff Area (CDA) and possibly others.

### 2.4.3 Construction and Operation of the Valley Infill Area

Background information:

Waste Types and Cell Design including Landfill Liner and Leachate Collection System

The Seneca Meadows facility disposes MSW, commercial, institutional, and industrial wastes, in accordance with its permit. Non-MSW streams are reviewed prior to acceptance. No hazardous wastes, as defined in the pertinent State regulations (6 NYCRR Parts 371), are permitted to be disposed at the Landfill.

As required for landfills receiving this type of waste in New York State, the currently used Landfill cells have been constructed with a double composite liner, a leachate collection system, and a leachate detection system. The proposed Valley Infill cells will be constructed in compliance with current 6 NYCRR Part 363-6 regulations. This type of liner system is currently being used for other landfills in New York State and provides an environmentally protective leachate barrier. This design of the proposed liner systems will be fully described and evaluated for efficacy for ability to monitor leachate and for protection of groundwater.

The liner system required by 6 NYCRR Part 363-6.6(b) and final cover system required by 6 NYCRR Part 363-6.6(d), will be described, and consistency with the lateral expansion criteria established by 6 NYCRR Part 363-6.1(e) will be demonstrated.

- Leachate management (collection and removal system, and storage facilities) will be described.

- A construction schedule will be presented and discussed. The anticipated Landfill progression (stages of construction) will be shown in a figure and described in the text.
- Landfill Gas management and conveyance will be described.

Site preparation efforts will include the installation of the liner system over the Tantalo Waste Disposal Area. Installation of the liner and associated landfill infrastructure may involve partial removal of the existing geocomposite liner system and some waste from the Tantalo site. Wastes will be sampled in accordance with Part 375, DER-10, and a work plan to determine how waste will be handled.

Tantalo geocomposite liner disturbed during construction will be repaired prior to construction of the base liner for the proposed newly lined areas. The proposed double-liner system for the Valley Infill that will be constructed over Tantalo will be discussed with respect to management of infiltration in the area.

Safety to workers and community related to the disturbance of Tantalo will be discussed along with mitigation measures.

#### Landfilling Sequence and Method

Landfill phasing with respect to necessary work on Tantalo will be discussed.

The Landfilling operation is a phased operation, with Landfill cells to be constructed as needed, depending on market conditions for waste disposal. New cells would be developed within the Valley Infill area between existing cells.

Equipment used during the construction and operation of the facility is expected to include graders, crawler tractors, front-end loaders, hydraulic excavators, dump trucks, soil screens, water trucks, waste compactors, and soil compactors, all similar to the equipment used for construction and operation of the existing Landfill.

Within each phase of the landfilling operation, final cover construction and closure will proceed on a cell-by-cell basis, as soon as practicable (i.e., after settlement), and no more than five years after each cell reaches final elevation.

A construction schedule will be presented and discussed.

The anticipated Landfill progression (stages of construction) will be shown in a figure and described in the text.

#### Grading, Setbacks, and Other Site Features

Applicable NYSDEC regulations and guidance will be followed in the implementation of landfilling activities. The proposed new landfill disposal cells will be at least 100 feet from property lines. The cell caps will be designed with slopes no more than 33% and no less than 4%.

#### Operating Hours

The Facility hours of operations are as follows:

- Landfill:
  - o Landfill Operations – 5:00am to 8:00pm, Monday through Sunday

- o Scale House Operations – 6:00am to 6:00pm, Monday through Sunday
  - o The Landfill Facility is prohibited from operating on New Year's Day, July 4th, Memorial Day, Labor Day, Thanksgiving, and Christmas. The Facility may operate the remaining 359 days per year.
  - o Placement of daily cover shall be limited to the following: Monday through Sunday 6:00 am to 8:00 pm
- Tire Processing Facility
    - o Under normal operating conditions, the Tire Processing Facility (TPF) operates Monday through Friday 6:00 a.m. to 4:00 p.m. and Saturday 6:00 a.m. to 11:30 a.m.
    - o The TPF is closed on Sundays, New Year's Day, Memorial Day, Independence Day, Labor Day, and Christmas Day.
    - o Upon receipt of approval from the NYSDEC, the Facility may expand operations to accommodate peak construction and production period demands. This approval would permit the Facility to operate Monday through Saturday 6:00 a.m. to 10:00 p.m.

There are no hour restrictions on activities which do not require the operation of waste placement equipment, including equipment and facility maintenance, or office personnel. The operating hours for construction projects will be during daylight hours. The operating hours for the proposed expansion are the same as the existing operating hours.

#### Storage of Materials

Stripped overburden soils, along with the associated low-level vegetation (grasses, shrubs, etc.) will be stockpiled and used during site restoration. Waste petroleum products (from equipment maintenance) and other wastes generated at the facility which are not disposed of on-site, will be properly containerized and routinely transported to permitted off-site disposal or recycling facilities as required by NYSDEC pursuant to 6NYCRR Part 364.

#### Stormwater Management System

- Stormwater management facilities and practices will be discussed, including drainage ditches, swales, sedimentation ponds, and seeding of disturbed areas. The requirements of the SPDES Multi Sector General Permit (GP-0-17-004), and Stormwater Pollution Prevention Plan (SWPPP) will be described. Technical design support information will be referenced as being part of the Engineering Report.

#### Transportation Systems

- On-site roadways, vehicle maneuvering areas, and related structures to the Valley Infill project will be discussed.

#### Environmental Monitoring Plan

- Environmental monitoring practices and procedures will be discussed, including the porewater monitoring system and landfill gas probes.

#### Operational Controls

- Operational controls and monitoring for the project and site will be discussed, including but not limited to: Controls for site access, unauthorized waste, and incoming waste quality control, as well as dust, litter, odor, vector, and noise controls.

#### **2.4.4 Closure Plan**

This section will discuss the plans for the closure of the SMI Facility once active filling is complete. This will include, but not be limited to, a discussion of:

- Final grades, design of the maximum slopes, and the plan to grade the landfill to prevent serious settling or stormwater issues.
- The different parts of the Facility's closure procedures and related installations.
- Components of the Final Cover system, including the different designs for sloped or plateau areas
- The Habitat Management planning made part of the existing Landscaping Plan and Closure/Post-Closure Plan will be discussed

#### **2.4.5 Post-Closure Care**

This section will discuss the relevant regulations for Post-Closure care at the Facility and plans to maintain the monitoring points and maintenance procedures required to safely maintain the site. In addition, this section will describe the Habitat Management maintenance including final closure surfaces including grassland bird habitat (mowing schedule and seed mix, etc.), solar proposals, etc.

### **2.5 PERMITS AND APPROVALS**

#### **2.5.1 DEC / State approvals**

The DEIS will include a list of permits, approvals, and required submissions for the permitting process along with a description of each approval and the approving agency. These permits and approvals tentatively include:

Air Title V  
Part 360 Series  
Stormwater General Permit for Construction  
Change of Use Approval  
Possible Water Quality Certification

#### **2.5.2 Local Approvals**

Town of Seneca Falls Site Plan  
Town of Seneca Falls Special Use Permit  
Town of Waterloo Site Plan Approval  
Town of Waterloo Special Use Permit

### **2.6 PROJECT NEED AND BENEFITS**

The DEIS will include information on the needs and benefits for the project. This will include, but not be limited to, information on the service areas for the landfill, public waste disposal needs, and New York statewide disposal statistics and information; economic benefits and factors related to the project; benefits to the host communities; and information on the conformance of the Project with the objectives of the New York State Solid Waste Management Plan.

### **3.0 ENVIRONMENTAL SETTING**

This section presents a description of the existing regional and site-specific natural resources and the cultural/manmade features which may potentially be affected by the proposed Project.

The DEIS will describe the environmental setting (existing conditions), potentially significant environmental project impacts, and mitigation measures for those impacts within each of the topic areas identified below.

### **3.1 EARTH RESOURCES**

#### **3.1.1 Topography and Physiography**

Background Information:

The proposed Project is in the north-central part of Seneca County, New York. The southern third of the County is in the northern New York section of the Appalachian Plateau, while the remaining portion of the County, including the SMI Property, is part of the Central Lowlands. Glacial activity has played a significant role in shaping the present landscape of the area.

The DEIS will include the following:

- Location of project within New York State and surrounding bodies of water
- Classify and define project physiographic provinces within New York State  
Describe impact of glaciers on the project's physiographic provinces
- *Site Topography and Physiography*

Background Information:

As a result of the glacial lake plain, the topography in the Project Area and surrounding area is generally flat. The most pronounced topographic relief on the Project Area itself is provided by the disposal areas.

The DEIS will include the following:

- Description of general project area topography
- Description of landfill disposal area topography

#### **3.1.2 SOILS**

Background Information:

The soils in the immediate vicinity of the Project Area are dominated by high-lime soils developed on glacial lake sediments. These soils were mapped in 1972.

The DEIS will include the following:

- Description of site soils as mapped prior to landfill activities at the SMI Property and presented for historical context.

#### **3.1.3 GEOLOGY AND HYDROGEOLOGY**

The DEIS will include the following:

- Information drawn from the Part 360 Site Investigation Report prepared for the Seneca Meadow Landfill Expansion last revised in December 2006

- A summary of the Hydrogeologic Report for the Project that has been prepared and submitted in connection with the Part 360 permit application for the SMI Valley Infill

#### *Regional Geology*

The DEIS will include the following:

- Timeline of regional geology
- Bedrock formations and composition within the County
- Local rock formations described in order from the oldest to the youngest
- A contour map of bedrock at the Site will be provided

#### *Regional hydrology and Hydrogeology*

Seneca County is regionally located in the center of the Western Oswego River Basin, which ultimately drains into Lake Ontario. The project Area does not occur on or adjacent to any primary or principal aquifers. The DEIS will include the following:

- Seneca County river basin description
- River basin drainage flow path
- Black Brook project area watershed description
- Seneca County groundwater description
- Central lowland unconsolidated aquifer description
- Project area unconsolidated aquifer description
- Erie-Ontario bedrock aquifer description
- Location of primary and principal aquifers near project area
- Regional groundwater flow

### 3.1.4 GEOTECHNICAL

Project area with respect to seismic impact zones will be discussed

## 3.2 WATER RESOURCES

Existing groundwater and surface water resources and wetlands that are present at the site and in the vicinity are addressed in this section of the DEIS.

### 3.2.1 Groundwater

Background Information:

Groundwater flow at the site occurs in the overburden soils and fractured bedrock. In general, the vertical flow component in overburden units is much greater than the horizontal flow component. Once entering the bedrock, groundwater assumes a predominantly southerly flow direction, consistent with the regional flow field. No bedrock discharge areas occur on the Project Area. Water for various site operations is supplied to the Facility by the Town of Waterloo municipal system, which obtains its water from Seneca Lake. Precipitation falling on the site that infiltrates into the ground flows vertically through overburden deposits.

Hydrogeological investigations of the Landfill site were conducted during previous permitting processes. Additionally, as part of current Landfill monitoring activities, groundwater monitoring wells have been installed around the facility. Numerous test borings, groundwater monitoring wells, and test pits have been logged, sampled and tested over the site area.

Water level and water quality data are collected quarterly from monitoring wells to obtain representative groundwater samples from the various soil units underlying the Landfill site.

USGS aquifer mapping shows the Seneca Meadows Landfill Facility is primarily not located over any groundwater features. The Site is not located over a primary or principal aquifer. The overburden units are considered collectively as an aquitard — a low permeability unit that can store and slowly transmit groundwater. Additionally, monitoring under the Operations, Maintenance and Monitoring Plan is required at Tantalio Landfill which is a Class 4 site under 6 NYCRR Part 375 regulations.

The DEIS will include a description of the following:

- Groundwater flow within the Project Area
- Water use at the Facility
- Tantalio Waste Disposal Area Declaration of Covenants and Restrictions
- Movement of precipitation within the Project Area
- Groundwater overburden and bedrock direction of flow
- Area drinking water supply
- Fracturing of bedrock and its impact on groundwater flow in the Project Area.
- Depth of water supply wells in the vicinity of the Project area Project area groundwater monitoring and groundwater quality.
- Summary of areas around the Facility where there are localized contaminated groundwater impacts

### 3.2.2 SURFACE WATER

Surface water runoff on the site drains to either the East, West, or South Pond Management systems. Stormwater is generally stored in one of the pond systems until samples can be obtained and it is verified that discharges will meet the permit requirements. Surface water drainage from the East and West Pond systems is routed into Black Brook. Surface water from the south pond system is discharged in a southerly direction to the Seneca-Cayuga canal.

Both Black Brook and the Seneca-Cayuga Canal have Class C water quality classifications.

The DEIS will include a description of the following:

- Project Area river basin description and drainage.



- Description of the existing floodplain mapping within the proposed project areas, as well as updates regarding floodplain mapping for the re-routed Black Brook.
- Existing site drainage will be described, including stormwater control features, expected quantities and holding capacity, stormwater sampling procedures, and erosion containment efforts.
- On-site and nearby off-site surface water features will be described, including historic water quality results and quantity where available.
- Classifications of on-site and nearby off-site surface water will be identified and discussed.
- Description of existing stormwater ponds and associated monitoring and discharge
- Documentation of existing facility performance with respect to protection of water resources.
  
- Description of what makes a proven system to efficiently manage the leachate generated during the life of a waste disposal facility including leachate treatment and disposal See Section 3.7 for more detail.
- Description of leachate collection system.
- Sampling leachate at secondary liner system, various sump locations, and porewater sump and parameters tested.
- Sampling for Emerging Contaminants including per – and poly-fluoroalkyl substances (PFAS) and 1,4-dioxane, as well as radionuclides
- A description of recent leachate test results
- Consideration of future climate risks pursuant to the Community Risk and Resilience Act (CRRRA) with respect to stormwater and floodplains

### 3.2.3 Wetlands

The DEIS will include a discussion of the wetlands on the Facility and nearby areas. There are no wetlands or conservation areas within the Project Area, and the Project will not affect nearby wetlands as it is entirely contained within the footprint of areas that have already been used for waste landfilling or landfill facility operations.

## 3.3 AIR RESOURCES

### Background Information:

The site and surrounding area are primarily a rural environment with interspersed commercial establishments. The area has a demonstrated history of compliance with State and Federal air quality standards. In addition to point source and fugitive emissions, nuisance emissions (particularly odor) have been investigated in detail.

The DEIS will include the following:

- Summary and description of existing air quality conditions at the Facility and the surrounding area.
- A description of the existing surface emissions monitoring program intended to satisfy the requirements of the USEPA's New Source Performance Standards (NSPS) for municipal solid waste landfills

- Compilation of the emissions from the Facility.
- Quantitative analysis of the emissions from the Existing Landfill
- Existing GHG emissions in preparation of CLCPA analysis

### 3.3.1 Climate and Meteorology

The DEIS will include a discussion of the following:

- Summary of Seneca County climate.
- 
- Closest National Weather Service meteorological stations to the Facility.
- Facility typical wind direction. Dispersion description and site analysis.

### 3.3.2 Ambient Air Quality Monitoring

The DEIS will include a discussion of the following:

- The regional air quality.
- Applicable air quality monitoring standard
- Ambient air quality monitoring data and results including but not limited to the proposed Ambient Air monitoring for Hydrogen Sulfide; previous ambient air monitoring study for methane and any other testing or studies done on this facility
- Summary of ambient air samples obtained by Central Office and study that was completed for the Seneca Falls Environmental Action Committee via the DEC's Community Air Screen Program in 2019 (report March 27, 2019, in a letter to Valerie Sandlas). (Include report as appendix also). Include summary of SMI Ambient Air Monitoring study. Previous modeling showed compliance with all AGCs and SGCs for HTACs and non-HTACS. Variability in the gas for concentration of H<sub>2</sub>S will be discussed along with the further investigations proposed to be conducted and incorporated into the DEIS and ATV permit application and refined modelling report.

### 3.3.3 Air Emissions from the Seneca Meadows Landfill

The DEIS will include a discussion of the following:

- Estimate of emissions associated with the Seneca Meadows Landfill operations and discussion of compliance with National Ambient Air Quality Standards and ambient air quality standards
- Projections and measurements of the resulting air quality impact in surrounding areas.
- Landfill gas generation summary and list of control equipment with associated capacities.
- 
- Analysis of the collection efficiency of the landfill including description and area of cover type
- 
-

- Other emission sources for the Existing Landfill besides LFG and LFG combustion
- Emissions associated with construction and operation of the existing landfill operations
- Ambient Air Monitoring for H<sub>2</sub>S
- GHG Emissions

#### Background Information:

The Project Area consists exclusively of land that has been previously disturbed by the construction and operation of the Facility and by the operation and remediation of the Tantal Waste Disposal Area. Potential impacts to endangered Indiana Bat roosting habitat can be avoided through seasonal restrictions on project-related tree removal. The project is not likely to adversely affect Indiana bats and no trees exist to remove in waste disposal areas.

The DEIS will include a description of the following:

- The Project Area footprint description
- Limited vegetative communities located in the Project Area
- Little wildlife and no endangered species in the Project Area
- No wetlands in Project Area
- Project Area impact on Indiana bats, bald eagles, and osprey
- Habitat management planning made part of the existing Landscaping Plan and Closure/Post-Closure Plan

### 3.5 EXISTING LANDFILL CONDITIONS AND OPERATIONAL SETTING

The highest portions of the active SMI Landfill have reached an elevation of approximately 726 feet above mean sea level (MSL). At its current elevation, the SMI Landfill is approximately 245 feet above the surrounding average land grade of 480 feet.

The DEIS will include a discussion of the following:

- Existing grades and other site features (Referencing Sheets 3 and 5 of the Engineering Drawings).
- The tire processing facility and other ancillary structures located on the Facility Site.

#### 3.5.2 Existing Landfill Liner and Leachate Collection System

##### Background Information:

The Facility has liner types consisting of a natural soil containment, an engineered in-situ liner, an engineered recompacted soil liner, and an engineered soil liner with a blanket drain. In 2013 SMI completed the construction and start-up of a treatment system which consists of a reverse osmosis facility to provide for the treatment of leachate. One alternative for treatment of the concentrate from the reverse osmosis treatment unit, that

has been put into place, is a leachate/concentrate evaporator system.

The DEIS will include a discussion of the following:

- Description of variety of different liner types used at the Facility and how they collect and treat leachate and condensate.
- Leachate storage capacity and disposal methodology.
- Methods to reduce leachate tanker trucks with the leachate treatment and evaporator system.
- Leachate/concentrate evaporator system description.
- 
- 

### 3.5.3 Landfill Gas Management System

Background Information:

The gas collection system is routinely upgraded to collect additional LFG and to ensure NSPS compliance which requires a system capable of handling all of the LFG generated from the facility. The existing and proposed landfill gas control devices at SMI and Seneca Energy facilities provide sufficient capacity to combust the expected quantity of gas to be collected by the existing landfill operations.

The DEIS will include a discussion of the following:

- LFG collection system components
- Horizontal collector description
- Vertical gas wells description
- Leachate treatment process description and associated emissions
- The condensate/leachate evaporator description
- Historic leachate recirculation procedures
- Existing and future landfill gas production estimations
- Condensate collection and disposal description
- 

### 3.5.4 Existing Odor Management System

Background Information:

Existing air emission information related to Landfill Gas is found in Section 3.5.3. Seneca Meadows routinely monitors landfill gas emissions by performing quarterly surface emissions monitoring. Based on the 1997 odor investigation findings and results from the completion of the sampling, analysis, and dispersion modeling, no exceedances of published health-based guidance values or guidelines have been identified with landfill gas emissions from the Facility. The results of the 2016 odor assessment showed several areas of improvement to reduce odor. Furthermore, since 2016, the site has enacted several mitigation measures including implementing an odor neutralizing system, ceasing leachate recirculation, eliminating the use of C&D fines as cover, installation of enhanced capping, and installation of more horizontal collectors.

The DEIS will include the following:

- A description of the existing surface emissions monitoring program intended to satisfy the requirements of the USEPA's New Source Performance Standards (NSPS) for municipal solid waste landfills.
- 1997 Facility odor investigation summarized.
- Information on historic odor and odor complaints, and actions taken to address odor issues at the existing Facility.
- Odor Response System: The results of a 2016 odor investigation and enacted mitigation measure to date.
- The results of the Ambient Monitoring Work Plan approved in 07/11/2018 and the subsequent Assessment of Odor report in 09/08/2020.
- A description of the H<sub>2</sub>S Monitoring study that the facility is doing as part of this expansion (both the flux chamber study as well as the ambient air monitoring of hydrogen sulfide with AcruLogs), as well as a discussion of the results.

Stormwater management will be discussed in Section 3.4.2 Stormwater Quality. A brief summary of stormwater capacity, infrastructure, discharge events, and quality control will be included in this section of the DEIS. Changes to the Stormwater infrastructure will be discussed under Section 2.0.

### 3.5.6 Existing Sound Levels

Background Information:

The sound level monitoring at the SMI Landfill indicates that the Facility is currently in compliance with part 360 regulations.

The DEIS will include a description of the following:

- Annually performed sound level monitoring at various approved representative receptor locations surrounding the Facility
- Applicable standards for the Site

### 3.5.7 Existing Groundwater Monitoring System

DEIS to include:

Description of monitoring well program in Operations, Maintenance, and Monitoring Plan

- Location of wells
- Applicable parameters to be monitored

## 3.6 COMMUNITY RESOURCES AND CHARACTERISTICS

### 3.6.1 Land Use, Zoning, and Planning

#### 3.6.1.1 Land Use Background Information:

SMI Landfill is located on approximately 900 acres of land, with the overall Seneca Meadows property encompassing around 2,400 acres. Much of the land surrounding the Facility is in agricultural use.

The DEIS will include a description of the following:

- Facility land size, access, and characteristics
- Land use in surrounding properties
- Significant traffic routes and notable nearby facilities.

### **3.6.1.2** Zoning and Planning

### **3.6.1.3** Background

Information:

Current zoning of the proposed project area is M-2, Refuse Disposal and Reclamation.

The DEIS will include the following:

- Facility zoning information in both Waterloo and Seneca Falls
- Compliance of the Site with zoning laws or ordinances
- Consistency of the proposed expansion with adopted county and town comprehensive plans (Seneca County and Towns of Seneca Falls Waterloo).
- Summary of local laws related to landfill, mining, and other landfill operations in the towns of Seneca Falls and Waterloo. Discussion of Local Law #3 and consistency with the Project.

## **3.6.2** Transportation

Access to the Facility for waste vehicles is via one entry located on Salcman Road, at its intersection with NYS Route 414. Additional traffic volumes are generated from the importation of cover soils (also truck traffic), and from employee and visitor traffic (primarily passenger vehicles).

The DEIS will include of the following:

- Summary of the traffic study was performed for the 2006 DEIS for the Expansion Project
- Traffic conditions at the Facility including any changes since 2006 study
- Evaluation of changes to traffic outside of the landfill since the 2006 study due to area growth
  
- List of public services provided to Facility and related providers
- Description of utilities used by the Facility

### 3.6.4 Ambient Sound Level Conditions Background Information:

The existing sound levels at the Facility comply with requirements of 6 NYCRR Part 360 Section 360.19(j).

The DEIS will include the following:

- Prior sound level surveys performed to identify levels of environmental noise received along boundaries of the Facility
- Description of 10 testing locations
- Tested sound levels during day and night
- Description of construction activity occurring during testing and relevance to the Project construction areas

### 3.6.5 Public Parks and Recreation Facilities

The DEIS will include the following:

- 
- Parks and recreation development goals
- Description of the Seneca Meadows Wetlands Preserve

### 3.6.6 Demographics

#### 3.6.6.1 Local and Regional Economy Background Information:

Seneca County is a primarily rural, agricultural community with an industrial and manufacturing-based economy and a population in 2010 of 35,251, according to the US Census.

The DEIS will include the following:

- Seneca County US Census information
- Seneca County employment information and major employers
- Draft Disadvantaged Community and Environmental Justice Communities

#### 3.6.6.2 Existing Jobs and Economic Contributions of Landfill Operations

Background Information:

SMI contributes significantly to the local economy through direct payroll, payments to local vendors, tax payments and other contributions to local government units.

The DEIS will include the following:

- Facility local economy contributions
- Facility seasonal employment information
- Free waste disposal program economic information
- Facility charity donations
- Facility secondary economic activity
- Facility tax payments
- Direct cash payments to the Towns of Seneca Falls and Waterloo

### 3.6.6.3 Population and Housing Background

Information:

Housing unit type is primarily single-family homes, with an owner occupancy rate of 58 percent in 2010 (Town of Seneca Falls).

The DEIS will include the following:

- Seneca County population and housing US Census information

### 3.6.7 Archaeological and Historical Resources

Background Information:

The Seneca Meadows site is not within an archeologically sensitive area, based on New York State Historic Preservation Act records. There are no structures, ruins, or archeological resources on the site or structures listed on the State or National Registers of Historic Places.

The DEIS will include the background information above and the following:

- Summarize previous archaeological and historical investigations.

### 3.6.8 Visual and Aesthetic Conditions:

In addition to describing the visual setting for the project and area, the DEIS will summarize a Visual Resource Assessment performed for the project. The purpose of the Visual Resource Assessment (VRA) will be to identify potential visual and aesthetic impacts and to provide an objective assessment of the visual character of the project, using standard accepted methodologies of visual assessment, from which agency decision-makers can render a determination of visual significance.

The DEIS will include the following:

- Description of visual character of the regional setting of Project Area
- Visibility of existing landfill from vantage points and scenic areas

### 3.7 Climate Leadership and Community Protection Act (CLCPA) and Community Risk and Resiliency Act (CRRRA)

CLCPA and Greenhouse Gases

Existing measures used by the landfill to control GHGs as baseline for CLCPA.

CLCPA and HAP/PM

The DEIS will include discussion of existing measures taken to control fugitives HAPs and PM. Additionally, the DEIS will include an assessment of whether the proposed landfill expansion would disproportionately impact CLCPA Disadvantaged Communities (DACs).



#### CRRA

The DEIS will characterize the area with respect to the existing Climate Change Risk including extreme weather events, food risk, availability of water, and other natural resources needed by the community

### 4.0 POTENTIAL ENVIRONMENTAL IMPACT

This section presents and evaluates the environmental impacts that could potentially occur if the proposed Project is implemented, in conjunction with Section 8 of the DEIS, which presents a summary of the measures that will be utilized to mitigate and/or avoid these impacts.

#### 4.1 EARTH RESOURCES

##### 4.1.1 Topography

The DEIS will include an evaluation of the following potential impacts:

- Operation of the Facility has resulted in modification of the topography of the Project Area
- FAA obstruction standards
- Compliance with the FAA guidance

##### 4.1.2 Geology

The DEIS will include an evaluation of the following potential impacts:

- How the subsurface geological integrity of the Project Area will not be adversely impacted during either the construction or operational phases of the Project
- Minor impacts due to the alteration of the site topography will result in the movement of surficial soils during construction of the lateral portion of the SMI Valley Infill Area and the relocated facilities
- Some bedrock alterations will be made to higher bedrock area at the south end of the project as described in Section 2.4.1.
- Additional bedrock data, if needed, to identify and describe major fractures in the bedrock.

##### 4.1.3 Soils

The DEIS will include an evaluation of the following potential impacts:

- Disturbance of surficial soils in the Project Area
- Soil excavation and movements will try to minimize offsite impacts due to dust and erosion to the maximum extent possible. Further description of controls will be provided.
- Potential traffic impacts from these soil deliveries
- How cover soils will be obtained – SMI mining and other operations

##### 4.1.4 Geotechnical Impacts

The DEIS will include an evaluation of the following potential impacts:

- Project Area is not located within a seismic impact zone but will be discussed in the DSEIS
- Interface shear strengths will be taken into account in the landfill design and construction for landfill slope stability. The DEIS will refer to the Engineering Report for the Project

## 4.2 Water Resources

### 4.2.1 Surface Water Resources

The DEIS will include an evaluation of the following potential impacts:

- Potential impacts to floodplains
- Mitigation for Climate Change and criteria for meeting CRRA
- Sedimentation and erosion
- Leachate generation and management, including analytical results and semi-annual monitoring for new Part 363 expanded parameters: PFAS, 1,4-dioxane, and radionuclides
- A brief discussion of the related controls and sampling of surface water will also be included
- Stormwater management and measures to protect surface water will be described
- Stormwater monitoring prior to batch release and surface water monitoring.

### 4.2.2 Groundwater Resources

The DEIS will include an evaluation of the following potential impacts:

- Stormwater and leachate control features which will prevent the release of contaminants and will minimize the potential for adverse impacts to groundwater resources
- Role of existing geocomposite cap above the Tantalito Waste Disposal Site because of the OU-1 remedial action will be described
- Construction of the SMI Valley Infill Area double composite liner system above the Tantalito Waste Disposal Area, which will have the added benefit of further cutting off infiltration through the Tantalito waste mass
- Residents and businesses downgradient of the proposed SMI Valley Infill Area are connected to a public water supply system and private wells are no longer used for drinking water within the study area of the related Site Investigation Report
- Continuation of existing monitoring of the amount of liquid removed from the secondary containment system to ensure the integrity of the liner system
- Potential for impact to the groundwater plume under Tantalito due to the landfill expansion, and discussion of public health, residential wells, etc.
- Summary of the Site Investigation Report prepared for the Part 360 Application for the SMI Valley Infill will include how the Project will relate to the potential, ongoing, or completed remedial programs at the Tantalito Waste Disposal Area or A/B Landfill, including evaluation of groundwater monitoring wells to be removed over the course of the expansion over Tantalito and surrounding areas
- Groundwater analytical results and quarterly monitoring, including new Part 363 expanded parameters: PFAS, 1,4-dioxane, and radionuclides

### 4.3 AIR RESOURCES

This section will evaluate potential air impacts resulting from both the construction and operation of the proposed SMI Valley Infill. Potential impacts to air quality from the SMI Valley Infill include fugitive dust, vehicular emissions, and landfill gas emissions.

#### 4.3.1 Estimated Air Pollutant Emissions

##### 4.3.1.1 Construction Emissions

The DEIS will include an evaluation of the following potential impacts:

- DEIS will discuss dust mitigation procedures that may be undertaken at the site, including application of water and other dust controls
- Quick establishment of vegetative cover on completed landfill work areas, and the protection of stockpiled soils with vegetative cover, crusting agents, water and other coatings will also reduce dust problems
- Combined emissions from vehicle exhausts and other equipment used during the construction of the SMI Valley Infill will occur and will be evaluated for potentially significant adverse impacts
- Other controls such as minimization of active areas will be discussed
- Emissions related to opening a portion of the Tantalito landfill and removing waste prior to liner construction will be evaluated

##### 4.3.1.2 Operational Emissions

The DEIS will include an evaluation of the following potential impacts:

- Emissions from the proposed SMI Valley Infill will be generated in the same manner as for the currently permitted landfill operations, which will be described
- SMI Valley Infill will begin to produce LFG shortly after it begins accepting waste and will continue to produce LFG for several years after they stop accepting waste. The facility will provide the gas curve expected as part of the project, as well as the overall gas curve for the entire facility
- Information on expected landfill gas generation will be discussed, as well as control measures and the expected impacts
- The facility will discuss the potential impact of fugitive dust emissions as well as the mitigation to be implemented
- Truck emissions
- GHG emissions will also be discussed in Section 4.6
- H<sub>2</sub>S emissions

#### 4.3.2 Air Quality Impact Analysis

The DEIS will include an evaluation of the following potential impacts:

- Impacts associated with air emissions from the proposed SMI Valley Infill will be fully evaluated in the Title V permit application review and summarized in the DEIS. The expansion will be evaluated against relevant guidelines for air quality standards including state and federal air regulations and CLCPA. The facility will discuss impacts associated with oxides of nitrogen, sulfur dioxide, particulate matter including PM10 and PM 2.5, hydrogen sulfide, and other contaminants that have the potential to exceed federal and state standards
- A discussion of potential odor impacts and expectations will be provided
- A discussion of the peak emissions year modeling for Landfill Gas will be included and compared to the relevant air quality standards. The estimated gas curve for the project, as well as for the entire facility, will be provided

#### 4.3.3 Compliance with Standards and Guidelines

The DEIS will include an evaluation of the following potential impacts:

- Relevant regulations will be listed. Compliance with the applicable requirements will be required to be demonstrated during and beyond the active life of the SMI Valley Infill

### 4.4 ECOLOGICAL RESOURCES

The DEIS will include and evaluation of the following potential impacts:

- Because the project is to be located over the existing landfill and Tantalo, no significant vegetative or wildlife resources are expected to be impacted by the Project
- Project impacts to areas surrounding the proposed Project Area due to noise, air emissions, and human activities at the expansion site, similar to those at the Existing Landfill and in similar or less proximity will be discussed
- The Habitat Management planning made part of the existing Landscaping Plan and Closure/Post-Closure Plan will be described. It will include temporary and permanent (final closure) habitat including seeding, mowing schedule, etc., with respect to grassland birds.

#### 4.4.1 Rare, Endangered, or Threatened Species

Because the project is to be located over the existing landfill and Tantalo, which are areas with no existing suitable habitat, no significant, rare, threatened, or endangered species are expected to be impacted by the Project.

Results of web searches for these species will be included, as will a summary of the 2006 study findings be briefly described

#### 4.4.2 Wetlands

The SMI Valley Infill will not result in the disturbance of federal and/or New York State jurisdictional wetlands; therefore, this review will not be included in the DEIS.

## **4.5 COMMUNITY RESOURCES**

### **4.5.1 Land Use, Zoning and Planning**

The DEIS will include an evaluation of the following potential impacts:

- Potential impacts to local land use, consistency with comprehensive plans, and zoning will be summarized. Consistency of the project with local planning, zoning, and local laws, related to landfilling, mining, and other operations of landfilling, including Local Law #3, will be discussed as they relate to the existing and proposed landfill

### **4.5.2 Services and Utilities**

The DEIS will include an evaluation of the following potential impacts:

- There are no changes proposed for community services or utilities. The Proposed Project will be evaluated with respect to potential for adverse impacts on community services, including water, sewer, roads, etc.
- A brief discussion of facility measure for fire controls will be included

### **4.5.3 Transportation**

The DEIS will include a description of the following:

- Updated traffic information (from SMI and outside of the facility)
- Assessment of proposed expansion on the existing level of service and the continuation of landfill traffic for the life of the proposed expansion
- The potential for landfill trucks to spread mud or debris on local highways

### **4.5.4 Sound Level / Noise Impacts**

The DEIS will include an evaluation of the following potential impacts:

- Sources of potential sound impacts and the impacts of Facility scheduling on noise levels will be discussed.
- The sound levels associated with the construction and development of the Project will be thoroughly described as to how they will be consistent with existing sources of Facility operations.
- The DEIS will include an assessment of noise impacts pursuant to the Department's Program Policy, "Assessing and Mitigating Noise Impacts."
- The DEIS will include a summary of a noise evaluation to be prepared to verify noise levels will be in compliance with Part 360 series regulatory standards.
- This will include updated background noise levels and estimated noise levels resulting from the proposed Project

### **4.5.5 Demographics**

Local Economy:

The Project economic impacts to both the local community and the local economy will be discussed, including positive and negative impacts. Positive impacts to be discussed include continued employment and job creation, fiscal impact to the Town of Seneca Falls and Town of Waterloo, as well as other impacts on the area economy. The Town's host community benefit plans will be discussed

## Population and Housing

The DEIS will include an evaluation of the following potential impacts:

- The Project will not restrict development of adjacent properties and is not anticipated to have any adverse impact on current population or housing trends.
- The Host Benefit between the Town of Seneca Falls and Town of Waterloo will be discussed as it relates to supporting Town finances, services, and property value protection.

### 4.5.6 Archeological and Historical Resources

The DEIS will include an evaluation of the following potential impacts:

- The 2006 DEIS reported no archaeological or historical resource concerns, and as such, the SMI Valley Infill will not impact archaeological or historical resources
- An updated review by OPRHP will be described

### 4.5.7 Visual and Aesthetic Impact

Based on the results of the Visual Resource Assessment (VRA), the DEIS will include an evaluation of the following potential impacts:

- Comparison of the areas from which the currently permitted project can be seen and additional areas from which the proposed project will be seen through viewshed mapping and field investigation
- Potential visual impacts from homes in residential areas
- Other locations in the surrounding areas from which the proposed project will be visible
- Identify sensitive aesthetic and scenic resources
- The VRA report will be included to identify potential visual and aesthetic change of visual character and identify impacts related to the Project
- An evaluation of the project pursuant to the Department's Program Policy, "DEP-00-2m Assessing and Mitigating Visual and Aesthetic Impact"
- Proposed temporary and final closure of the landfill slopes with respect to visual impacts (use of different final cover materials, etc.)

## 4.6 Climate Leadership and Community Protection Act (CLCPA) and Community Risk and Resiliency Act (CRRA)

The DEIS will include a summary of the CLCPA Analysis for the project in Appendix J. It will cover the following topics:

### 4.6.1 Greenhouse Gas Impacts (CLCPA Section 7(2))

### 4.6.2 Impacts on Disadvantaged Communities (CLCPA Section 7(3))

#### 4.6.2.1 Co-pollutant Emissions

### 4.6.3 CRRA

#### 4.6.3.1 Extreme Weather Events

#### 4.6.3.2 Food Risk

## 5.0 DESCRIPTION OF MITIGATION MEASURES

This section discusses the measures to mitigate, minimize, and avoid adverse environmental impacts that are to be incorporated into design elements and operational and closure plans for the Project

- 5.1 EARTH RESOURCES
- 5.2 WATER RESOURCES
- 5.3 AIR RESOURCES
- 5.4 ECOLOGICAL RESOURCES
- 5.5 COMMUNITY RESOURCE
- 5.6 Climate Leadership and Community Protection Act (CLCPA)

Community Risk and Resiliency Act (CRRA) Climate Leadership and Community Protection Act (CLCPA) Mitigation Measures including air related, 360/waste related, and consideration of organics and recycling technologies to supplement/offset landfill operations. Mitigation measures proposed for GHGs will be discussed with respect to Climate Change Mitigation measures related to the DAC will also be discussed including proposed measures for HAP and PM .

## 6.0 UNAVOIDABLE ENVIRONMENTAL IMPACTS

This section of the DEIS will identify and discuss environmental impacts that cannot be avoided or mitigated if the proposed project is implemented, in accordance with 6NYCRR 617.9(b)(5)(iii)(b).

## 7.0 IRREVERSABLE AND IRRETREVALE COMMITMENTS OF RESOURCES

This section of the DEIS will identify and discuss the irreversible and irretrievable commitment of resources associated with the proposed action, in accordance with 6 NYCRR 617.9(b)(iii)(c).

## 8.0 ALTERNATIVES TO THE PROPOSED ACTION

This section of the DEIS will include an evaluation of project alternatives in accordance with 6 NYCRR 617.9(b)(v). It will include the following subsections, summary of existing studies, and supporting data as needed, to summarize the evaluations.

- 8.1 OBJECTIVES AND CAPABILITIES OF SMI
- 8.2 NO-ACTION ALTERNATIVE
- 8.3 ALTERNATIVE LANDFILL SITES
- 8.4 ALTERNATIVE SITE LAYOUTS ON THE FACILITY SITE
- 8.5 ALTERNATIVE DESIGN CONCEPTIONS FOR THE SMI VALLEY INFILL

## 8.6 ALTERNATIVE LINER DESIGNS

- 8.6.1 Tantalizing and minimizing impacts to existing cap and monitoring wells including phased approaches
- 8.6.2 Overlay areas and associated liners)

## 8.7 CONCLUSION

This section will provide a description of how the Project will include a number of design, construction, and operating practices that will mitigate, minimize, or avoid significant adverse impacts.

## 9.0 GROWTH INDUCING IMPACTS

This section of the DEIS will identify and discuss growth inducing impacts associated with the proposed action, in accordance with 6 NYCRR 617.9(b)(iii)(d).

## 10.0 EFFECTS OF THE USE AND CONSERVATION OF ENERGY

Background information:

The proposed Project will involve the phased construction of the SMI Valley Infill in accordance with the engineering design. As such, energy consumption in the form of fuel use will be required for baseliner preparation and construction of the expanded landfill areas. However, on an annual basis, no significant increase in fuel use or energy

consumption is anticipated to occur as a result of the Project. Although similar equipment used to carry out the construction, operations and maintenance activities at the SMI Valley Infill, an increase of approximately 15 years in the duration of operational energy (i.e., fuel and electricity) consumption will occur.

There will be no increase in the waste acceptance rate at the SMI Valley Infill. Therefore, there will be no increase in the number of vehicles traveling to and from the facility or in the number or type landfill equipment at the working face to deposit, compact and cover the waste.

The DEIS will discuss the ramifications on fuel use if the Project were not developed and waste haulers were required to travel longer distances to remaining available solid waste disposal sites.

In addition, Seneca Meadows will continue to utilize landfill gas as a source of renewable energy including, but not limited to renewable natural gas (RNG, or High Btu) and other technologies as they become available. While the preferred use of landfill gas is renewable energy, the flares will continue to be utilized for operational purposes as required (by air permit).



Furthermore, the High BTU plant has infrastructure in place to generate renewable natural gas by utilizing landfill gases produced from the waste being disposed at the landfill and sending it to the natural gas pipeline. This offsets some fuel consumed by consumers.

The DEIS will include the background information above and additional detail on the following:

- Anticipated short-term and long-term level of consumption
- Indirect effects on energy consumption
- Energy conservation measures
- CLCPA goals for energy

## 11.0 REFERENCES

The reference list will include the 2006 DEIS and subsequent DEIS documentation, the SMI Valley Infill Part 360/363 Permit Application Package, as well as all other applicable references.

## 12.0 TABLES AND FIGURES

## 13.0 APPENDICES

Appendices will include materials not suitable for insertion in the main body of the DSEIS, and shall include key SEQR documents, technical reports.

They are anticipated to include:

Appendices will include materials not suitable for insertion in the main body of the DSEIS, and shall include key SEQR documents, technical reports.

They are anticipated to include:

Appendix A – Current Part 360 Permit and SEQR Documentation

Appendix B – Part 360 Water Quality Parameters (including Part 375 Extended Parameters)

Appendix C – New York State Air Quality Monitoring Locations & Data (may be a part of the Title V application)

Appendix D – Emissions Inventory & Air Quality Monitoring Protocol (may be a part of the Title V application)

Appendix E – 2018 Annual Noise Survey, and 2022 New Noise Assessment for Proposed Project

Appendix F – Seneca Meadows Visual Resource Assessment

Appendix G – FAA Determination Correspondence

Appendix H – Air Studies (Including: Ambient air samples were obtained by Central Office and a study was completed for the Seneca Falls Environmental Action Committee via the DEC's Community Air Screen Program in 2019 (report March 27, 2019, in a letter to Valerie Sandlas); SMI Ambient Air Monitoring study and new air study and modelling for H<sub>2</sub>S.) (may be a part of the Title V application)

Appendix J – CLCPA Analysis (may be a part of the Title V application)

Appendix K. Site Investigation Report

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#### 14.0 ENVIRONMENTAL REVIEWS NOT PROPOSED FOR INCLUSION IN THE DEIS

In accordance with 6NYCRR 617.8(f)(7), this section of the scoping document is reserved for those prominent issues that are raised during the public scoping and determined to be not relevant or not environmentally significant, or that have been adequately addresses in a prior environmental review.