Full Environmental Assessment Form Part 1
for
Asahishuzo International Co., Ltd.
PROPOSED SAKE BREWERY
5 St. Andrews Road, Town of Hyde Park
Dutchess County, New York

Issued: May 3, 2018
Revised: June 7, 2018

Prepared for:
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Prepared by:
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Chazen Project No. 81745.00
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PROJECT NARRATIVE
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1.0  PROJECT DESCRIPTION

The Applicant and property owner, Asahi Shuzo International Co., Ltd., is proposing the redevelopment of the former Stop & Shop supermarket site located at 5 St. Andrews Road in the Town of Hyde Park for a Sake Brewery with tasting room/shop, in association with the Culinary Institute of America. The site consists of a 15.418-acre parcel identified on the Town of Hyde Park tax map as parcel 133200-6164-03-021198. The existing building will be repurposed for the proposed Sake Brewery manufacturing/distribution facility and tasting room/shop, and a new building for rice polishing will be constructed. Water to the site is supplied by the Dutchess County Water & Wastewater Authority (DCWWA) water supply system. Sanitary sewage will be handled by the existing subsurface sewage disposal system (SSDS) associated with the former Stop & Shop supermarket. A small wastewater treatment plant (WWTP) will be constructed to handle process wastewater.

1.1  Facility Operation

In addition to the sake manufacturing areas, the facility will contain a tasting room/shop, an interior engawa\(^1\), and an exterior engawa, which total 5,348 SF of public space. The proposed Sake Brewery is expected to employ approximately 40 persons, and will serve approximately 50 patrons per day on weekdays and 100 patrons per day on weekends. Both the manufacturing portion and the tasting room/shop will operate from 9:00 am to 5:00 pm daily. Tours of the manufacturing process will also be provided.

1.2  Sake Manufacturing Process

Sake is crafted from rice, water, and “koji”, a filamentous fungus (mold) used to saccharify the rice (convert to sugar). The preferred rice for well-balanced aroma and rich flavor is called “Yamada Nishiki”, which is imported from Japan. The process requires “rice polishing”, which consists of blowing the brown rice between large stones in a milling machine. The polishing process extends at least 3.5 days with gentle, slow polishing to avoid breakage or burning of the rice, with the goal of milling the rice down to a maximum of 23% of its original size. The rice is then “washed”, which consists of removing the rice powder generated from polishing and allowing the rice absorb water for a specified amount of time. The water required for the process must be extremely soft and clean. The rice is then steamed, approximately 2,000 pounds at a time. The steamed rice is used for three different purposes: koji, shubo (seed mash), and fermentation. The ideal condition of the rice grains used for koji is a hard outside and a soft inside.

The rice is then spread in a koji room which is maintained at a temperature of 100 degrees F for growing koji mold on the rice. The fermentation process for sake is similar to that of wine; however, rice does not inherently contain the sugar required for fermentation. The koji mold converts the starch in rice to sugar. When the rice is flattened and dried from the rice spreading, the powder-like koji mold is spread onto rice evenly, with care to avoid contact with the outside air. The temperature and humidity of the rice are monitored 24/7, and the rice is completely covered in mold within two to three days. The koji mold in the rice grains appears white and has a sweet taste like a chestnut. Lactic acid, phosphoric acid, and potassium are added to water, which is then combined with koji, steamed rice and sake yeast, with carefully managed temperature control.

\(^1\) An “engawa” is an edging strip of matted flooring which runs around a room or on the outside of the building, in which case it resembles a porch or sunroom.
Water is added to increase the total amount of shubo. Koji and steamed rice are combined in a large tank to slowly ferment for 35 days. The conditions of each tank are recorded daily, and constant flavor checks are required. A centrifuge is used to press sake, which creates a smoother, cleaner flavor. The sake is then pasteurized and immediately cooled down in order to maintain the quality.

1.3 Anticipated Permits/Approvals

Table 1-1 provides a list of permits and approvals that are anticipated for the proposed Sake Brewery project. The project as proposed does not include modifications to the existing access drives. A sidewalk extension to St. Andrews Road is proposed; therefore, a NYS Department of Transportation highway work permit and Dutchess County Department of Public Works (DCDPW) permit will be required.

<table>
<thead>
<tr>
<th>Agency</th>
<th>Required Permit/Approval</th>
</tr>
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<tbody>
<tr>
<td>NYS Department of Environmental Conservation (NYSDEC)</td>
<td>NYSDEC GP-0-15-002; State Pollutant Discharge Elimination System (SPDES) Permit for WWTP; Article 15 Stream Disturbance Permit for WWTP outfall</td>
</tr>
<tr>
<td>NYS Department of Transportation (NYSDOT)</td>
<td>Highway Work Permit for sidewalk in ROW</td>
</tr>
<tr>
<td>Dutchess County Department of Planning and Development</td>
<td>GML 239m referral</td>
</tr>
<tr>
<td>Dutchess County Department of Health</td>
<td>water, SSDS, and WWTP</td>
</tr>
<tr>
<td>Dutchess County Department of Public Works (DCDPW)</td>
<td>Potential permit for sidewalk in ROW</td>
</tr>
<tr>
<td>Dutchess County Water and Wastewater Authority (DCWWA)</td>
<td>Water/sewer</td>
</tr>
<tr>
<td>Dutchess County Industrial Development Agency (IDA)</td>
<td>Pilot Agreement</td>
</tr>
<tr>
<td>Town of Hyde Park Planning Board</td>
<td>Site plan approval; SEQRA review and determination</td>
</tr>
<tr>
<td>Town of Hyde Park Zoning Board of Appeals</td>
<td>Area variances for signage</td>
</tr>
<tr>
<td>US Army Corps of Engineers (USACOE)</td>
<td>Nationwide Permit 7 for WWTP outfall</td>
</tr>
</tbody>
</table>

2.0 LAND USE PLANS AND ZONING

2.1 Comprehensive Plan

The Town of Hyde Park adopted its current Comprehensive Plan in July of 2005. The Comprehensive Plan recognizes that the tourism industry plays an important part in the local and regional economy, and that Hyde Park is home to a number of attractions that draw visitors from around the world. These attractions include the sites associated with Franklin and Eleanor Roosevelt, the Vanderbilt Estate, the Mills Mansion and the Culinary Institute of America. Promotion of these attractions is one of the visions of Hyde Park residents. The Comprehensive Plan states that “These tourist facilities could be augmented with cultural activities and seasonal events, trail systems for bicycles and pedestrians, intra-community tours to facilitate travel between sites, and information kiosks and signs. Additional visitor amenities are also envisioned, including a hotel-conference center, transportation linkages by water and by rail with the larger urban centers, additional eating establishments and bed and breakfast lodgings. All of these
elements of the vision will serve to further develop economic and social life in Hyde Park. The proposed Sake Brewery will support these attractions by providing additional activities for tourists.

Section B, Development Guidelines, Subsection 1.D encourages the redevelopment of existing buildings, to contribute to the architectural, scenic or historic character of the district. The Comprehensive Plan Concept Map shows the project site as being located in the northern portion of the St. Andrews Village Center area. The Comprehensive Plan states that “In each village center, it is recognized and acknowledged by the Comprehensive Plan that there are both existing and emerging centers of commerce that need to be nurtured and defined”, and that the village centers should provide a balance of business and commerce necessary to support adjacent neighborhoods and act to focus more concentrated residential and commercial development towards the preferred Town Center.

The proposed Sake Brewery with tasting room/shop will provide an interesting option for tourists visiting the many attractions in Hyde Park as well as local residents, and is expected to also draw its own tourists into the area. The design will feature an exterior engawa (porch) and a network of sidewalks and lawn/landscaped areas for public use. Therefore, the proposed project is consistent with the Comprehensive Plan.

2.2 Zoning

The Town of Hyde Park adopted Chapter 108, Zoning was adopted on September 8, 20015, and amended in its entirety on April 9, 2007. Section 108-1.4 indicates that the purposes of the zoning regulations are “to protect and promote public health, safety, comfort, convenience, economy, aesthetics, general welfare; to preserve the natural, agricultural and cultural resources of the Town of Hyde Park; and to serve the following additional specific purposes”, the first of which is “fostering the organic growth of Hyde Park, strengthening the civic cohesion of Hyde Park, expanding the economic base of Hyde Park, and enhancing community identity in Hyde Park.”

The project site is located in the Town Center Historic District (TCHD), according to the Zoning Map (Figure 3). A “craft brewery, winery, distillery and/or food manufacturing facility” is defined as “an establishment which produces on the premises beer, wine, cider, vinous beverages, spirits or edible goods for off- and/or on-site consumption in accordance with New York State Liquor Authority, Department of Health and other applicable agency regulations. Such an establishment shall include a public component, such as a tasting room, restaurant and/or a retail establishment”, according to Section 108-2.2, Terms defined, and is classified as a “general commercial use”. A “general commercial use” is a permitted use in the TCHD, subject to site plan approval by the Planning Board. The proposed site plan complies with the bulk requirements for the TCHD and other zoning requirements, as shown on the site plan.

Since the proposed project is consistent with the Comprehensive Plan and zoning regulations, no significant adverse impacts to land use or zoning are anticipated from the proposed project.

3.0 POLICE, FIRE, AND EMERGENCY SERVICES

The proposed project will result in additional demands on the Town of Hyde Park Police Department, Hyde Park Fire Department, and Emergency Services, since the site is currently unoccupied. However, no unique demands on police, fire or emergency services are anticipated. These service providers will have the opportunity to comment on the proposed project. Therefore, the proposed project is not expected to result in any significant adverse impacts to police, fire or emergency services.
4.0 SOILS AND WATER RESOURCES

4.1 Soils

The project site contains the former Stop & Shop supermarket building with associated parking; therefore, most of the site is previously disturbed. The proposed project repurposes the existing building for the proposed Sake Brewery and tasting room/shop. A new rice polishing building and small WWTP will be constructed, and modifications to the parking area are proposed.

According to the Natural Resource Conservation Service (NRC) Web Soil Survey and GIS mapping (Figure 6), the site contains primarily the Hoosic gravelly loam, nearly level (HsA) soil type. The Hoosic gravelly loam, 25 to 45% slopes (HsE) soil type exists along the eastern portion of the site, and areas of the Hoosic-Urban land complex, nearly level (HuA), and Hoosic-Urban land complex, undulating (HuB) exist along the northern property line. The Hoosic soil type typically has a depth to water table and bedrock of greater than 80 inches, and is a somewhat excessively drained soil.

Erosion and sediment control measures will be implemented during construction in accordance with the NYS Standards and Specifications for Erosion and Sediment Control, November 2016.

The proposed Sake Brewery represents the redevelopment of an abandoned commercial site that was previously disturbed; therefore, the proposed Sake Brewery project will not result in any significant adverse impacts related to soils.

4.2 Water Resources

Figure 4 indicates that there are no mapped wetlands, streams or floodplain on or adjacent to the project site. Field investigation by a Chazen biologist on December 4, 2017 indicates the presence of one wetland and an unmapped, intermittent stream which runs in a southerly direction along the eastern property line (refer to Site Plan). The site also contains an unregulated detention pond located south of the parking area. The stream appears to be perennial and is a Class B tributary of the Maritjekill; therefore, it is regulated by NYSDEC. The NYSDEC regulates disturbance of the bed or banks of protected streams. The wetland is regulated by the US Army Corps of Engineers (USACOE) under Section 404 of the Clean Water Act, and a buffer is not required. The Town of Hyde Park has a local Wetland Protection Law, defined in Chapter 63 of the Town Code, Freshwater Wetlands. The Town regulates wetlands shown on the NYDEC wetland mapping with a 100-foot buffer; however, no such wetlands exist on-site. The proposed redevelopment project will not result in any impacts to the wetlands. Installation of the WWTP outfall may require a NYSDEC Stream Article 15 Disturbance Permit and a USACOE Nationwide 7 permit for less than 0.1 acre of temporary disturbance. The proposed project will not result in any significant adverse impacts in regard to water resources.

5.0 UTILITIES

5.1 Water Supply

The site is supplied with municipal water from the DCWWA water system. As a public water supply, water from the DCWWA is regulated by the NYS Department of Health (NYSDOH).
According to Table B-3, Typical Per-Unit Hydraulic Loading Rates, from the NYS Design Standards for Intermediate Sized Wastewater Treatment Systems, March 2014, potable water demand is estimated at 15 gallons per day (gpd) per employee plus 5 gpd per guest, which results in 1,100 gpd based on 40 employees and 100 guests per day on weekends.

Water usage for the sake manufacturing process is estimated at 35,425 gpd for the rice washing process and 3,936 gpd for bottle washing, for a total process water demand of 39,362 gpd. Thus, the total daily water demand (potable and process) is approximately 40,462 gpd.

The water utilized for sake brewing is required to meet specific standards, and will require treatment prior to use, including a water softener, carbon filter system, and disinfection system. The installation of a booster pump may be required, depending on the pressure of incoming water service.

Since no capacity issues exist with the DCWWA water supply, the proposed Sake Brewery project is not expected to result in any adverse impacts in regard to water usage.

5.2 Wastewater Generation

Wastewater flow associated with the proposed Sake Brewery is assumed to be equal to the estimated water usage described in Section 5.1.

Sanitary sewage is estimated at 1,100 gpd and will be handled by the existing subsurface sewage disposal system associated with the former Stop & Shop supermarket. The proposed sanitary sewage flow is significantly less than that of the former Stop & Shop supermarket since there will be fewer employees.

Process wastewater is estimated at 39,362 gpd and will be conveyed to a new WWTP located in the eastern portion of the property. This assumption is conservative, since some water will go into the product. Treated wastewater from the WWTP will be discharged to the onsite NYS Class B intermittent stream, which will require a SPDES permit from NYSDEC. The discharge will meet all standards for discharge to a Class B stream.

With the proposed disposal methods, the proposed project is not expected to result in any significant adverse impacts related to wastewater.

5.3 Stormwater

The proposed Sake Brewery project consists of the redevelopment of the former Stop & Shop supermarket site, and will result in a reduction in impervious surface of 0.7 acre since the project requires less parking.

The proposed Sake Brewery project is subject to the requirements of the Town of Hyde Park regulated MS4, and the design plans and a Stormwater Pollution Prevention Plan (SWPPP) has been prepared in conformance with the New York State Stormwater Management Design Manual dated January 2015 and New York State Standards and Specifications for Erosion and Sediment Control dated August 2005. Stormwater will be collected and treated to NYSDEC standards utilizing existing and new stormwater system features in accordance with the SWPPP. The proposed plan minimizes impervious area to the amount needed to support the proposed project.
Therefore, the proposed project will not result in any significant adverse impacts related to stormwater.

6.0 AIR

The proposed Sake Brewery project does not propose any new sources of air emissions during operation. Traffic generation estimates are projected to be less than that of the former use of the site as a supermarket. The proposed Sake Brewery is not expected to reduce source-receptor distances, or change other existing conditions to an extent that would jeopardize National Ambient Air Quality Standards. Dust generated during construction activities would be mitigated through the implementation of a sediment and erosion control plan and SWPPP. During construction, areas would be temporarily seeded, as needed, to minimize soil exposure. Furthermore, in dry conditions, soils would be periodically wetted, and silt fencing would also be installed to help capture fugitive dust. Therefore, no significant impacts related to air quality are anticipated.

7.0 TRAFFIC AND PARKING

7.1 Traffic

Traffic generated by the proposed use is expected to be less than traffic generated by the former use as a supermarket. The proposed project will utilize the existing access drives, one of which is two-way in and out on St. Andrews Road, and a right-turn exit only onto Route 9. A sidewalk extension to St. Andrews Road is proposed.

Estimated traffic generation anticipated for the proposed Sake Brewery project is calculated according to the Institute of Transportation Engineers (ITE) Trip Generation Manual, 10th Edition, 2017, using ITE Land Use Code 970 for a “Winery”. The Winery Land Use description indicates that the use typically includes tasting room facilities and often offers complimentary tours, and may offer special events such as weddings or parties. The estimated trip generation rate for this use is 2.07 vehicle trip ends (vte’s) per 1,000 SF gross floor area during the weekday a.m. peak hour of adjacent street traffic and 7.31 vte’s per 1,000 SF gross floor area during the weekday p.m. peak hour of adjacent street traffic, which would result in 11.07 vte’s during the weekday a.m. peak hour of adjacent street traffic and 39.09 vte’s during the weekday p.m. peak hour of adjacent street traffic based on 5,348 SF of patron space. These volumes are a small addition to existing Route 9 traffic volumes and significantly less than the volumes generated by the former Stop & Shop supermarket.

Forty-foot box trucks will be utilized for transport of rice to the site, and for distribution of product. Truck trips for deliveries and shipping may occur weekly or monthly, and typically occur during off-peak hours.

Temporary traffic generated during construction activities includes construction employees and the delivery of equipment and materials. Construction activities will be limited to the hours of 7:00 am to 5:00 pm on Monday through Saturday, which complies with the Town Code Chapter 75 Section 75-4.D.

Therefore, the proposed project is not expected to result in any significant adverse impacts related to traffic.
7.2 Parking

The site currently contains 298 parking spaces which served the former Stop & Shop supermarket. Section 108-4.5, *Site development standards*, Subsection B provides required parking by use. Required parking for a “restaurant, winery or food/beverage manufacturing or dispensing facility” is 1 space per 50 SF for patron use, plus 2 spaces per 3 employees. Therefore, the proposed Sake Brewery with 5,348 SF of patron space and 40 employees would require 27 employee parking spaces and 109 patron parking spaces, for a total required parking of 136 spaces. The proposed site plan provides 167 parking spaces, which exceeds the Town’s requirement. Since the provided parking is significantly less than the number of existing parking spaces on the site, the amount of impervious surface on the site will be reduced from 5.9 acres to 5.2 acres, which represents a decrease of 0.7 acre.

8.0 ENERGY (ELECTRIC AND GAS)

Electricity and natural gas are provided to the project site by Central Hudson Gas & Electric Corporation. The energy usage associated with the proposed Sake Brewery project is expected to be similar to that of the previous supermarket use. Estimated annual energy consumption for the rice polishing process is 1,296,000 kWh, and estimated annual energy consumption for the WWTP is 388,800 kWh, for a total estimated energy consumption of 4,969,000 kWh. The rice polishing process and main building are expected to utilize 25 btu/hour per SF during heating season at 30% operation, resulting in natural gas consumption of 18,000 therms. The new rice polishing building will incorporate various energy-saving features. It is anticipated that Central Hudson Gas & Electric Corporation has sufficient capacity to provide the project with the necessary quantities of electricity and gas. With energy-saving features in place, the proposed Sake Brewery project is not expected to have any significant adverse impacts with regard to energy usage.

9.0 NOISE

Local ambient noise levels are affected by traffic along the Route 9 corridor and at the Route 9/St. Andrews Road intersection, as well as nearby commercial businesses and restaurants, and the nearby rail line along the Hudson River. The proposed Sake Brewery manufacturing process is not expected to generate noise that exceeds the local ambient noise levels. Both the manufacturing process and tasting room/shop hours of operation will be limited to 9:00 a.m. to 5:00 p.m. daily. Exterior noise measurements were obtained from a rice polishing building similar in design to that proposed. The average measurements ranged from 61 to 69 dBA taken two meters from the building. Based on this level at two meters, attenuation calculations show that the average sound levels at the property line of the nearest residence to the proposed Sake Brewery would be below 31 decibels, and lower at all other nearby residences. Average nighttime sound levels in a quiet woodland setting average approximately 35 decibels; thus, sound from the rice polishing building is expected to be inaudible.

Forty-foot box trucks will be utilized for transport of rice to the site, and for distribution of product. Truck trips for deliveries and shipping may occur weekly or monthly, and typically occur during off-peak hours.

The proposed construction activities may result in short-term, temporary noise that exceeds local ambient noise levels, as with any construction project. Based on the typical depth to bedrock for soils expected to be on the site, no rock removal is anticipated. Noise-related impacts associated with construction are an unavoidable adverse impact of any development. Construction activities will be limited to the hours of 7:00 a.m. to 5:00 p.m. on Monday through Saturday, which complies with the Town of Hyde Park Code.
Chapter 75, Noise, Section 75-4.D, Construction, demolition and excavation. Reuse of the existing building reduces potential construction noise significantly. Construction-related noise will be temporary and short-term in duration; therefore, the proposed Sake Brewery project is not expected to result in any adverse impacts with regard to noise.

Therefore, the proposed Sake Brewery project is not expected to result in any significant adverse noise impacts during operation.

10.0 SOLID WASTE

The Urban Land Institute Development Impact Assessment Handbook, 1994, estimates 0.00138 ton of solid waste per employee per day for industrial use. The proposed Sake Brewery project is expected to provide permanent employment for 40 persons, which would result in 0.0552 tons of solid waste per day or 1.66 tons of solid waste per month. Solid waste generated at the site will be collected and transported regularly by a licensed hauler to the Dutchess County Resource Recovery Agency Facility for disposal and/or recycling. The proposed project is not expected to result in any significant adverse impacts related to solid waste.

Polishing waste (Kome-Nuka) will be reused as food product, and pressing waste (Sake-Kasu) will be reused as either food product or material to create Shochu, a distilled alcoholic beverage.

11.0 ENDANGERED, THREATENED AND RARE SPECIES AND SIGNIFICANT HABITAT

The NYSDEC Environmental Resource Map (Figure 6), FEAF mapper, and/or correspondence from NYSDEC Natural Heritage Program dated December 26, 2017 (Attachment A) list two endangered species, the Shortnose Sturgeon and Atlantic Sturgeon, in the Hudson River, located 0.25 miles to the west. The project site is also in the vicinity of several Significant Natural Communities:

(1) Hemlock-Northern Hardwood Forest (Roosevelt Farm and Forest)
(2) Freshwater Tidal Marsh (Crum Elbow Marsh)
(3) Vernal Pool (Roosevelt Farm and Forest)

No impacts will occur to the sturgeon species or the tidal marsh, since the project will have no direct or indirect impacts on the Hudson River. The vernal pools and Hemlock-Northern Hardwood Forest are associated with the Roosevelt Farm and Forest and are not on or directly adjacent to the project site.

According to the USFWS IPAC Resource List, the site is in the range of the Indiana Bat (Federal/State Endangered), Northern Long-Eared Bat (Federal/State Threatened), and Dwarf Wedgemussel (Federal/State Endangered). Based on the field investigation, there are trees on the site east of the existing development associated with the stream corridor with diameter at breast height (dbh) of greater than 3 inches and with features that could provide suitable summer roosts for both bats. The closest hibernaculum is 10 miles to the west. No trees suitable for bat habitat will be removed from the site.

Currently, the only known locations for Dwarf Wedgemussels in New York are in Delaware/Sullivan County and Orange County with a small population on the Webutuck Stream in eastern Dutchess County, approximately 50 miles northeast. Per the NY Natural Heritage Program, in New York the Dwarf Wedgemussel lives embedded in the fine sediment that has accumulated between cobbles in slow to
The Chazen Companies
May 3, 2018
Revised June 7, 2018

moderate current and relatively shallow water in small cool rivers and similar habitats in larger rivers. The NYNHP probable associated ecological community is deepwater river, which is the aquatic community of very large, very deep quiet, base level sections of streams with a very low gradient. The perennial stream on site is not deep enough with regular flow to meet these habitat requirements.

Therefore, no adverse impacts to ETR species or significant habitat are anticipated as a result of the proposed Sake Brewery project.

12.0 HISTORIC AND ARCHEOLOGICAL RESOURCES

According to the NYS Office of Parks, Recreation, & Historic Preservation (NYSOPRHP) Cultural Resource Information System (CRIS) mapping (Figure 9), there are no National or State Historic Register sites on or adjacent to the Sake Brewery project area. The mapping shows that the project site is located within a known archeologically sensitive area, and indicates that a Stage 1A and 1B Cultural Resources Survey was completed for the former ShopRite supermarket on the project site, which was later occupied by a Stop & Shop supermarket. The proposed project will utilize the existing former Stop & Shop building, and a new rice polishing building and WWTP will be constructed. The area of disturbance for the proposed project is within the limits of previous disturbance; therefore, no impacts to cultural resources are anticipated.
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Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either “Yes” or “No”. If the answer to the initial question is “Yes”, complete the sub-questions that follow. If the answer to the initial question is “No”, proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the project sponsor to verify that the information contained in Part 1 is accurate and complete.

A. Project and Sponsor Information.

<table>
<thead>
<tr>
<th>Name of Action or Project:</th>
<th>Telephone: (027) 86-0120</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sake Brewery Project</td>
<td>E-Mail: <a href="mailto:dassai.sakurai@gmail.com">dassai.sakurai@gmail.com</a></td>
</tr>
</tbody>
</table>

Project Location (describe, and attach a general location map):

5 St. Andrews Road, Town of Hyde Park, Dutchess County, NY; Tax Parcel 133200-6164-03-021198. Refer to Figures 1 and 2.

Brief Description of Proposed Action (include purpose or need):

The Applicant, Sake Brewery Project, is proposing the redevelopment of the former Stop & Shop supermarket site located at 5 St. Andrews Road in the Town of Hyde Park for a sake brewery with tasting room/shop. The site consists of a 15.42-acre parcel identified on the Town of Hyde Park official tax map as parcel 133200-6164-03-021198. The existing building will be repurposed for the proposed sake brewery manufacturing/distribution facility and tasting room/shop, and a new building for rice polishing will be constructed. A small wastewater treatment plant (WWTP) will be constructed to handle process waste from the sake manufacturing process, and sanitary sewage from employees and patrons will be handled by an existing subsurface sewage disposal system. Water will be supplied by the Dutchess County Water and Wastewater Authority water system. Please refer to site plan.

<table>
<thead>
<tr>
<th>Name of Applicant/Sponsor:</th>
<th>Telephone: 845-454-3980</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asahishuzo International Co., Ltd. (Kazuo Sakurai, President)</td>
<td>E-Mail: <a href="mailto:smesinger@chazencompanies.com">smesinger@chazencompanies.com</a></td>
</tr>
</tbody>
</table>

Address: Yamaguchi-ken, Iwakuni-shi

City/PO: Shuto-machi Osogoe 2167-4

State: NA

Zip Code: 742-0422

Project Contact (if not same as sponsor; give name and title/role):

Chazen Engineering, Land Surveying, & Landscape Architecture Co., D.P.C. (Stuart Mesinger, AICP)

Telephone: 845-454-3980

E-Mail: smesinger@chazencompanies.com

Address: 21 Fox Street

City/PO: Poughkeepsie

State: NY

Zip Code: 12601

Property Owner (if not same as sponsor):

Same as Applicant

Telephone:

E-Mail:

Address:

City/PO:
B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. (“Funding” includes grants, loans, tax relief, and any other forms of financial assistance.)

<table>
<thead>
<tr>
<th>Government Entity</th>
<th>If Yes: Identify Agency and Approval(s) Required</th>
<th>Application Date (Actual or projected)</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. City Council, Town Board, or Village Board of Trustees</td>
<td>☐ Yes ☑ No</td>
<td></td>
</tr>
<tr>
<td>b. City, Town or Village Planning Board or Commissioner</td>
<td>☑ Yes ☐ No</td>
<td>Site Plan</td>
</tr>
<tr>
<td>c. City Council, Town or Village Zoning Board of Appeals</td>
<td>☑ Yes ☐ No</td>
<td>Area variances for signage</td>
</tr>
<tr>
<td>d. Other local agencies</td>
<td>☐ Yes ☑ No</td>
<td></td>
</tr>
<tr>
<td>e. County agencies</td>
<td>☑ Yes ☐ No</td>
<td>DCDOH water/sewer; DC Planning 239m referral; DC IDA Pilot Agreement; DCDPW for sidewalk in ROW; DCWWA for water/sewer</td>
</tr>
<tr>
<td>f. Regional agencies</td>
<td>☐ Yes ☑ No</td>
<td></td>
</tr>
<tr>
<td>g. State agencies</td>
<td>☑ Yes ☐ No</td>
<td>NYSDEC SPDES Permit for WWTP; Article 15 permit for WWTP outfall; GP-0-15-002; NYSDOT highway work permit for sidewalk in ROW</td>
</tr>
<tr>
<td>h. Federal agencies</td>
<td>☑ Yes ☐ No</td>
<td>Potential USACEE Nationwide Permit 7 for WWTP outfall</td>
</tr>
<tr>
<td>i. Coastal Resources.</td>
<td>☑ Yes ☑ No</td>
<td></td>
</tr>
<tr>
<td>i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway?</td>
<td>☑ Yes ☐ No</td>
<td></td>
</tr>
<tr>
<td>ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program?</td>
<td>☑ Yes ☑ No</td>
<td></td>
</tr>
<tr>
<td>iii. Is the project site within a Coastal Erosion Hazard Area?</td>
<td>☑ Yes ☑ No</td>
<td></td>
</tr>
</tbody>
</table>

C. Planning and Zoning

C.1. Planning and zoning actions.

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☐ Yes ☑ No

- If Yes, complete sections C, F and G.
- If No, proceed to question C.2 and complete all remaining sections and questions in Part I

C.2. Adopted land use plans.

a. Do any municipally-adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☑ Yes ☐ No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? Refer to FEAF Narrative Section 2.1.

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other)? ☑ Yes ☐ No

If Yes, identify the plan(s):

____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________

C. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, ☐ Yes ☑ No

or an adopted municipal farmland protection plan?

If Yes, identify the plan(s):

____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________

____________________________________________________________________________________
____________________________________________________________________________________

Page 2 of 13
C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance.  
   ☑ Yes ☐ No

   Town Center Historic District (TCHD). Refer to Figure 3.

b. Is the use permitted or allowed by a special or conditional use permit?  
   ☑ Yes ☐ No

c. Is a zoning change requested as part of the proposed action?  
   ☐ Yes ☑ No

   i. What is the proposed new zoning for the site?  

C.4. Existing community services.

a. In what school district is the project site located?  Hyde Park Central School District

b. What police or other public protection forces serve the project site?  
   Town of Hyde Park Police Department with support from Dutchess County Sheriff's Department and NYS Police

c. Which fire protection and emergency medical services serve the project site?  
   Hyde Park Fire District

d. What parks serve the project site?  
   Roosevelt: Quiet Cove Park

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)?  light industrial/commercial

b. a. Total acreage of the site of the proposed action?  15.42 acres

   b. Total acreage to be physically disturbed?  1.5+/- acres

   c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?  15.42 acres

c. Is the proposed action an expansion of an existing project or use?  ☑ Yes ☐ No

   i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)?  % _______________ Units: _______________

d. Is the proposed action a subdivision, or does it include a subdivision?  ☑ Yes ☐ No

   i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)  

   ii. Is a cluster/conservation layout proposed?  ☑ Yes ☐ No

   iii. Number of lots proposed?  ________

   iv. Minimum and maximum proposed lot sizes?  Minimum ________ Maximum ________

e. Will proposed action be constructed in multiple phases?  ☑ Yes ☐ No

   i. If No, anticipated period of construction:  12 months

   ii. If Yes:

      • Total number of phases anticipated

      • Anticipated commencement date of phase 1 (including demolition)  month _____ year

      • Anticipated completion date of final phase  month ____ year

      • Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases:  


f. Does the project include new residential uses?  
Yes □  No □

<table>
<thead>
<tr>
<th></th>
<th>One Family</th>
<th>Two Family</th>
<th>Three Family</th>
<th>Multiple Family (four or more)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Phase</td>
<td>___________</td>
<td>___________</td>
<td>____________</td>
<td>________________________</td>
</tr>
<tr>
<td>At completion</td>
<td>___________</td>
<td>___________</td>
<td>____________</td>
<td>________________________</td>
</tr>
<tr>
<td>of all phases</td>
<td>___________</td>
<td>___________</td>
<td>____________</td>
<td>________________________</td>
</tr>
</tbody>
</table>

g. Does the proposed action include new non-residential construction (including expansions)?  
Yes □  No □

i. Total number of structures ________ 2 (new rice polishing building and WWTP).

ii. Dimensions (in feet) of largest proposed structure: 36' height; 42.55' width; and 101.55' length (rice polishing building)

iii. Approximate extent of building space to be heated or cooled: 63,816 square feet (includes existing building)

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage?  
Yes □  No □

i. Purpose of the impoundment:

ii. If a water impoundment, the principal source of the water: □ Ground water □ Surface water streams □ Other specify:

iii. If other than water, identify the type of impounded/contained liquids and their source.

iv. Approximate size of the proposed impoundment. Volume: ________ million gallons; surface area: ________ acres

v. Dimensions of the proposed dam or impounding structure: ________ height; _______ length

vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete):

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both?  
Yes □  No □

(Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)

If Yes:

i. What is the purpose of the excavation or dredging?

ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?
   • Volume (specify tons or cubic yards): ____________
   • Over what duration of time? ____________

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.

iv. Will there be onsite dewatering or processing of excavated materials?  
□ Yes □ No

If yes, describe.

v. What is the total area to be dredged or excavated? ________ acres

vi. What is the maximum area to be worked at any one time? ________ acres

vii. What would be the maximum depth of excavation or dredging? ________ feet

viii. Will the excavation require blasting?  
□ Yes □ No

ix. Summarize site reclamation goals and plan:

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area?  
Yes □  No □

If Yes:

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): unmapped tributary of Martije Kill
ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

<0.01 acre of temporary disturbance will be required for installation of the WWTP outfall within the banks of the tributary of the Marijie Kill.

<table>
<thead>
<tr>
<th>iii. Will proposed action cause or result in disturbance to bottom sediments?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>If Yes, describe:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

iv. Will proposed action cause or result in the destruction or removal of aquatic vegetation?

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>If Yes:</td>
<td></td>
</tr>
</tbody>
</table>

- acres of aquatic vegetation proposed to be removed: ____________
- expected acreage of aquatic vegetation remaining after project completion: ____________
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): ____________

- proposed method of plant removal: ____________
- if chemical/herbicide treatment will be used, specify product(s): ____________

v. Describe any proposed reclamation/mitigation following disturbance: ____________

<table>
<thead>
<tr>
<th>c. Will the proposed action use, or create a new demand for water?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>If Yes:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

i. Total anticipated water usage/demand per day: ____________ gallons/day Refer to FEAF Narrative Section 5.1.

<table>
<thead>
<tr>
<th>ii. Will the proposed action obtain water from an existing public water supply?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>If Yes:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Name of district or service area: Dutchess County Water and Wastewater Agency Zone A
- Does the existing public water supply have capacity to serve the proposal? Yes | No
- Is the project site in the existing district? Yes | No
- Is expansion of the district needed? Yes | No
- Do existing lines serve the project site? Yes | No

<table>
<thead>
<tr>
<th>iii. Will line extension within an existing district be necessary to supply the project?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>If Yes:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Describe extensions or capacity expansions proposed to serve this project: ____________
- Source(s) of supply for the district: ____________

<table>
<thead>
<tr>
<th>iv. Is a new water supply district or service area proposed to be formed to serve the project site?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>If Yes:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Applicant/sponsor for new district: ____________
- Date application submitted or anticipated: ____________
- Proposed source(s) of supply for new district: ____________

<table>
<thead>
<tr>
<th>v. If a public water supply will not be used, describe plans to provide water supply for the project:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>vi. If water supply will be from wells (public or private), maximum pumping capacity: NA gallons/minute.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>d. Will the proposed action generate liquid wastes?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>If Yes:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

i. Total anticipated liquid waste generation per day: ____________ gallons/day Refer to FEAF Narrative Section 5.2.

<table>
<thead>
<tr>
<th>ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each):</th>
<th></th>
</tr>
</thead>
</table>

sanitary sewage, process wastewater

<table>
<thead>
<tr>
<th>iii. Will the proposed action use any existing public wastewater treatment facilities?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>If Yes:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Name of wastewater treatment plant to be used: ____________
- Name of district: ____________
- Does the existing wastewater treatment plant have capacity to serve the project? Yes | No
- Is the project site in the existing district? Yes | No
- Is expansion of the district needed? Yes | No
iv. Do existing sewer lines serve the project site?  [ ] Yes  [ ] No
   If Yes:
   • Describe extensions or capacity expansions proposed to serve this project:

v. Will line extension within an existing district be necessary to serve the project?  [ ] Yes  [ ] No
   If Yes:
   • Describe extensions or capacity expansions proposed to serve this project:

vi. If a new wastewater (sewage) treatment district will be formed to serve the project, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge, or describe subsurface disposal plans):

   Existing subsurface sewage disposal system will handle sanitary sewage, and a new WWTP will handle process wastewater.

vii. Describe any plans or designs to capture, recycle or reuse liquid waste:

   viii. Describe any plans or designs to capture, recycle or reuse liquid waste:

ix. Will a new wastewater (sewage) treatment district be formed to serve the project site?  [ ] Yes  [ ] No
   If Yes:
   • Applicant/sponsor for new district:
   • Date application submitted or anticipated:
   • What is the receiving water for the wastewater discharge:

x. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge, or describe subsurface disposal plans):

   Existing subsurface sewage disposal system will handle sanitary sewage, and a new WWTP will handle process wastewater.

xi. Describe any plans or designs to capture, recycle or reuse liquid waste:

   xii. Describe any plans or designs to capture, recycle or reuse liquid waste:

xiii. Will stormwater runoff flow to adjacent properties?  [ ] Yes  [ ] No

xiv. Does proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater?  [ ] Yes  [ ] No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations?  [ ] Yes  [ ] No
   If Yes, identify:
   i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)
   ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)
   iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

   g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit?  [ ] Yes  [ ] No
   If Yes:
   i. Is the project site located in an Air quality non-attainment area?  (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year)  [ ] Yes  [ ] No
   ii. In addition to emissions as calculated in the application, the project will generate:
      • __________ Tons/year (short tons) of Carbon Dioxide (CO$_2$)
      • __________ Tons/year (short tons) of Nitrous Oxide (N$_2$O)
      • __________ Tons/year (short tons) of Perfluorocarbons (PFCs)
      • __________ Tons/year (short tons) of Sulfur Hexafluoride (SF$_6$)
      • __________ Tons/year (short tons) of Carbon Dioxide equivalent of Hydrofluorocarbons (HFCs)
      • __________ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)
h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)?
   If Yes:
      i. Estimate methane generation in tons/year (metric): ________________________________
      ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): ________________________________________________________________

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations?
   If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):
   ________________________________________________________________________________
   ________________________________________________________________________________

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? Refer to FEAF Narrative Section 7.0.
   If Yes:
      i. When is the peak traffic expected (Check all that apply): ☐ Morning ☐ Evening ☑ Weekend
         ☐ Randomly between hours of ___________ to ___________.
      ii. For commercial activities only, projected number of semi-trailer truck trips/day: ________________
      iii. Parking spaces: Existing _____________ Proposed ___________ Net increase/decrease _____________
      iv. Does the proposed action include any shared use parking? ☐ Yes ☐ No
      v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:
         ________________________________________________________________________________
         ________________________________________________________________________________
         ________________________________________________________________________________
   vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☐ Yes ☐ No
   vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☐ Yes ☐ No
   viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☐ Yes ☐ No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? Refer to FEAF Narrative Section 8.0.
   If Yes:
      i. Estimate annual electricity demand during operation of the proposed action:
         Approximately 4,969,000 kWh. Refer to FEAF Narrative Section 8.0.
      ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):
         Central Hudson Gas & Electric Corp.
      iii. Will the proposed action require a new, or an upgrade to, an existing substation? ☐ Yes ☐ No

l. Hours of operation. Answer all items which apply.
   i. During Construction:
      • Monday - Friday: 7:00 am to 5:00 pm
      • Saturday: 7:00 am to 5:00 pm
      • Sunday: NA
      • Holidays: NA
   ii. During Operations:
      • Monday - Friday: 9:00 am to 5:00 pm
      • Saturday: 9:00 am to 5:00 pm
      • Sunday: 9:00 am to 5:00 pm
      • Holidays: NA
m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☑ Yes ☐ No

If yes:

i. Provide details including sources, time of day and duration:

*Construction activities may result in temporary noise that exceeds local ambient noise levels, and will be limited to the hours of 7:00 am to 9:00 pm on Monday through Saturday, which complies with Town Code Chapter 75 Section 75-4.D. Refer to FEAF Narrative Section 9.0.*

ii. Will proposed action remove existing natural barriers that could act as a noise barrier or screen? ☑ Yes ☐ No

Describe: ____________________________________________

n. Will the proposed action have outdoor lighting? ☑ Yes ☐ No

If yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

Outdoor lighting will be downward-directed LED lighting, and will comply with Section 108-4.5.H(1) of the Town zoning regulations. Lighting is approximately 100 feet from the nearest occupied residential structures north of the site.

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☑ Yes ☐ No

Describe: ____________________________________________

o. Does the proposed action have the potential to produce odors for more than one hour per day? ☑ Yes ☐ No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures:

The proposed sake brewery will not produce odors. Odors generated by the WWTP will be mitigated with a deodorizing device.

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☑ Yes ☐ No

If Yes:  

Note: Small amounts of hydrochloric acid, sodium hydroxide (caustic soda), alcohol, and various reagents may be used in production.

i. Product(s) to be stored

ii. Volume(s) ______ per unit time ______ (e.g., month, year)

iii. Generally describe proposed storage facilities: ____________________________________________

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☑ Yes ☐ No

If Yes:

i. Describe proposed treatment(s):

____________________________________________________________________________________

____________________________________________________________________________________

ii. Will the proposed action use Integrated Pest Management Practices? ☑ Yes ☐ No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☑ Yes ☐ No

Refer to FEAF Narrative Section 10.0.

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: _______ 2,500 tons per _______ one time (unit of time)
- Operation: _______ 1.66 tons per _______ month (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: A portion of the solid waste generated during construction may be recycled at the discretion of the contractor.

- Operation: Recyclable materials will be separated for collection and recycling at the Dutchess County Resource Recovery Agency facility.

iii. Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: Construction debris will be transported by a licensed hauler to either a construction debris landfill or Dutchess County Resource Recovery Agency facility for recycling and/or disposal.

- Operation: Solid waste will be transported regularly by a licensed solid waste hauler to the Dutchess County Resource Recovery Agency facility for disposal.
s. Does the proposed action include construction or modification of a solid waste management facility?  
☐ Yes  ☑ No  
If Yes:  
   i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): ___________________________  
   ii. Anticipated rate of disposal/processing:  
       • _______ Tons/month, if transfer or other non-combustion/thermal treatment, or  
       • _______ Tons/hour, if combustion or thermal treatment  
   iii. If landfill, anticipated site life: ________________________________ years  

   t. Will proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste?  
☐ Yes  ☑ No  
If Yes:  
   i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: ___________________________  
   ii. Generally describe processes or activities involving hazardous wastes or constituents: ___________________________  
   iii. Specify amount to be handled or generated ______ tons/month  
   iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: ___________________________  
   v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility?  
☐ Yes  ☑ No  
If Yes: provide name and location of facility: ___________________________  
If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility: ___________________________  

E. Site and Setting of Proposed Action  

E.1. Land uses on and surrounding the project site  

a. Existing land uses.  
   i. Check all uses that occur on, adjoining and near the project site.  
☐ Urban  ☑ Industrial  ☑ Commercial  ☑ Residential (suburban)  ☑ Rural (non-farm)  
☐ Forest  ☑ Agriculture  ☑ Aquatic  ☑ Other (specify): National Historic Site  
   ii. If mix of uses, generally describe:  
Restaurants, supermarket, shopping plaza, self-storage facility, Franklin D Roosevelt National Historic Site, single-family homes, apartments, senior housing, medical office  

b. Land uses and covertypes on the project site.  

<table>
<thead>
<tr>
<th>Land use or Covertype</th>
<th>Current Acreage</th>
<th>Acreage After Project Completion</th>
<th>Change (Acres +/-)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roads, buildings, and other paved or impervious surfaces</td>
<td>5.9</td>
<td>5.2</td>
<td>-0.7</td>
</tr>
<tr>
<td>Forested</td>
<td>3.5</td>
<td>3.47</td>
<td>-0.03</td>
</tr>
<tr>
<td>Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)</td>
<td>0.83</td>
<td>0.83</td>
<td>0</td>
</tr>
<tr>
<td>Agricultural (includes active orchards, field, greenhouse etc.)</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Surface water features (lakes, ponds, streams, rivers, etc.)</td>
<td>0.12</td>
<td>0.12</td>
<td>0.00</td>
</tr>
<tr>
<td>Wetlands (freshwater or tidal)</td>
<td>0.42</td>
<td>0.42</td>
<td>0.00</td>
</tr>
<tr>
<td>Non-vegetated (bare rock, earth or fill)</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Describe: lawn/landscaped areas</td>
<td>4.65</td>
<td>5.38</td>
<td>+0.73</td>
</tr>
</tbody>
</table>
c. Is the project site presently used by members of the community for public recreation?  
   i. If Yes: explain:  
   ☐ Yes ☐ No

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed  
   day care centers, or group homes) within 1500 feet of the project site?  
   ☐ Yes ☐ No
   i. Identify Facilities:  
      Stone Ledge Senior Apartments (Farm Lane)

 e. Does the project site contain an existing dam?  
   ☐ Yes ☐ No
   i. Dimensions of the dam and impoundment:
      • Dam height: _______________________________ feet  
      • Dam length: _______________________________ feet  
      • Surface area: _______________________________ acres  
      • Volume impounded: _______________________________ gallons OR acre-feet  
   ii. Dam's existing hazard classification:
   iii. Provide date and summarize results of last inspection:

 f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility,  
 or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility?  
   ☐ Yes ☐ No
   i. Has the facility been formally closed?  
      ☐ Yes ☐ No
      • If yes, cite sources/documentation: ________________________________
   ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:
   iii. Describe any development constraints due to the prior solid waste activities:

 g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin  
 property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste?  
   ☐ Yes ☐ No
   i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:

 h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any  
 remedial actions been conducted at or adjacent to the proposed site?  
   ☐ Yes ☐ No
   i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site  
      Remediation database? Check all that apply:
      ☑ Yes – Spills Incidents database
      ☑ Yes – Environmental Site Remediation database
      ☐ Neither database
      Provide DEC ID number(s): ________________________________
      (all closed); exact locations undetermined.
   ii. If site has been subject of RCRA corrective activities, describe control measures:
      NA
   iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database?  
      ☑ Yes ☐ No
      If yes, provide DEC ID number(s): 546031
   iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):
      546031 = Hudson River PCB Sediments = Classification of 02. Project will not affect or be affected by this remediation site.
v. Is the project site subject to an institutional control limiting property uses? □ Yes ☑ No
   • If yes, DEC site ID number: ____________________________________________
   • Describe the type of institutional control (e.g., deed restriction or easement): ____________________________________________
   • Describe any use limitations: ____________________________________________
   • Describe any engineering controls: _______________________________________
   • Will the project affect the institutional or engineering controls in place? □ Yes ☑ No
   • Explain: ____________________________________________________________________________

E.2. Natural Resources On or Near Project Site Refer to Figure 6 and FEAF Narrative Section 4.1.

a. What is the average depth to bedrock on the project site? ________________ feet
   □ Yes ☑ No

b. Are there bedrock outcroppings on the project site? □ Yes ☑ No
   If Yes, what proportion of the site is comprised of bedrock outcroppings? __________%

c. Predominant soil type(s) present on project site:
   - Hoosic gravelly loam (HsA) ______ %
   - Hoosic gravelly loam (HsE) ______ %
   - Hoosic-urban land complex (HuA) ______ %

   Refer to Figure 4 and FEAF Narrative Section 4.2. FEAF Mapper auto-response indicates no wetlands or streams; however, site contains a perennial stream and wetland. □ Yes ☑ No

   i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? □ Yes ☑ No
   ii. Do any wetlands or other waterbodies adjoin the project site? □ Yes ☑ No
      If Yes, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? □ Yes ☑ No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:
   - Streams: Name ________________ Classification ________________
   - Lakes or Ponds: Name ________________ Classification ________________
   - Wetlands: Name ________________ Approximate Size ________________

   Wetland No. (if regulated by DEC) None

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? □ Yes ☑ No
   If yes, name of impaired water body/bodies and basis for listing as impaired: ____________________________________________

h. Surface water features.
   i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? □ Yes ☑ No
   ii. Do any wetlands or other waterbodies adjoin the project site? □ Yes ☑ No
      If Yes, skip to E.2.i.

   iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? □ Yes ☑ No

   iv. For each identified regulated wetland and waterbody on the project site, provide the following information:
      - Streams: Name ________________ Classification ________________
      - Lakes or Ponds: Name ________________ Classification ________________
      - Wetlands: Name ________________ Approximate Size ________________

   Wetland No. (if regulated by DEC) None

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? □ Yes ☑ No
   If yes, name of impaired water body/bodies and basis for listing as impaired: ____________________________________________

i. Is the project site in a designated Floodway? □ Yes ☑ No

j. Is the project site in the 100 year Floodplain? □ Yes ☑ No

k. Is the project site in the 500 year Floodplain? □ Yes ☑ No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? □ Yes ☑ No
   i. Name of aquifer: ________________
m. Identify the predominant wildlife species that occupy or use the project site:

Common Dutchess County and urban species:

n. Does the project site contain a designated significant natural community?

Yes

No

If Yes:

i. Describe the habitat/community (composition, function, and basis for designation):

Freshwater Tidal Marsh, Vernal Pool, Hemlock-Northern Hardwood Forest

ii. Source(s) of description or evaluation: FEA mapper

iii. Extent of community/habitat:

- Currently: 16.15, 2.634, 377.44 acres
- Following completion of project as proposed: no change acres
- Gain or loss (indicate + or -): 0 acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species?

Yes

No

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern?

Yes

No

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing?

Yes

No

If yes, give a brief description of how the proposed action may affect that use:

E.3. Designated Public Resources On or Near Project Site

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304?

Yes

No

If Yes, provide county plus district name/number:

b. Are agricultural lands consisting of highly productive soils present?

Yes

No

i. If Yes: acreage(s) on project site?

ii. Source(s) of soil rating(s):

i. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark?

Yes

No

If Yes:

i. Nature of the natural landmark: Biological Community

Geological Feature

ii. Provide brief description of landmark, including values behind designation and approximate size/extent:

________________________

________________________

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area?

Yes

No

If Yes:

i. CEA name:

ii. Basis for designation:

iii. Designating agency and date:
e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on, or has been nominated by the NYS Board of Historic Preservation for inclusion on, the State or National Register of Historic Places?  Refer to Figure 8 and FEAF Narrative Section 12.0.

If Yes:
   i. Nature of historic/archaeological resource: ☐ Archaeological Site  ☐ Historic Building or District  
   ii. Name:  
   iii. Brief description of attributes on which listing is based:  

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?  Refer to Figure 8 and FEAF Narrative Section 12.0.

Yes ☐ No ☑  

g. Have additional archaeological or historic site(s) or resources been identified on the project site?  Refer to Figure 8 and FEAF Narrative Section 12.0.

Yes ☐ No ☑  

If Yes:
   i. Describe possible resource(s):  
   ii. Basis for identification:  

h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource?  Refer to Figure 8 and FEAF Narrative Section 12.0.

Yes ☐ No ☑  

If Yes:
   i. Identify resource:  Refer to Figure 9.  
   ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): National Historic Sites, Scenic Areas of Statewide Significance, scenic trails and byways, National, State, and local parks, recreation areas  
   iii. Distance between project and resource: _____________________ miles.  

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666?  Refer to Figure 8 and FEAF Narrative Section 12.0.

Yes ☐ No ☑  

If Yes:
   i. Identify the name of the river and its designation:  
   ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666?  Refer to Figure 8 and FEAF Narrative Section 12.0.

Yes ☐ No ☑  

F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name  Asahishuzo International Co., Ltd.  Date  May 3, 2018; revised June 7, 2018  

Signature  Deborah S. Hubbard  Title  Planner  

Deborah S. Hubbard for The Chazen Companies, Agent for Applicant/Owner
**B.i.i [Coastal or Waterfront Area]**  
No

**B.i.ii [Local Waterfront Revitalization Area]**  
No

**C.2.b [Special Planning District]**  
Digital mapping data are not available or are incomplete. Refer to EAF Workbook.

**E.1.h [DEC Spills or Remediation Site - Potential Contamination History]**  
Digital mapping data are not available or are incomplete. Refer to EAF Workbook.

**E.1.h.i [DEC Spills or Remediation Site - Listed]**  
Digital mapping data are not available or are incomplete. Refer to EAF Workbook.

**E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]**  
Digital mapping data are not available or are incomplete. Refer to EAF Workbook.

**E.1.h.iii [Within 2,000’ of DEC Remediation Site]**  
Yes

**E.1.h.iii [Within 2,000’ of DEC Remediation Site - DEC ID]**  
546031

**E.2.g [Unique Geologic Features]**  
No

**E.2.h.i [Surface Water Features]**  
No

**E.2.h.ii [Surface Water Features]**  
Yes

**E.2.h.iii [Surface Water Features]**  
Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.

**E.2.h.v [Impaired Water Bodies]**  
No

**E.2.i. [Floodway]**  
No

**E.2.j. [100 Year Floodplain]**  
No

**E.2.k. [500 Year Floodplain]**  
No

**E.2.l. [Aquifers]**  
No

**E.2.n. [Natural Communities]**  
Yes

**E.2.n.i [Natural Communities - Name]**  
Freshwater Tidal Marsh, Vernal Pool, Hemlock-Northern Hardwood Forest
<table>
<thead>
<tr>
<th>E.2.n.i [Natural Communities - Acres]</th>
<th>16.15, 2.634, 377.44</th>
</tr>
</thead>
<tbody>
<tr>
<td>E.2.o. [Endangered or Threatened Species]</td>
<td>Yes</td>
</tr>
<tr>
<td>E.2.o. [Endangered or Threatened Species - Name]</td>
<td>Atlantic Sturgeon, Shortnose Sturgeon</td>
</tr>
<tr>
<td>E.2.p. [Rare Plants or Animals]</td>
<td>No</td>
</tr>
<tr>
<td>E.3.a. [Agricultural District]</td>
<td>No</td>
</tr>
<tr>
<td>E.3.c. [National Natural Landmark]</td>
<td>No</td>
</tr>
<tr>
<td>E.3.d [Critical Environmental Area]</td>
<td>No</td>
</tr>
<tr>
<td>E.3.e. [National Register of Historic Places]</td>
<td>Digital mapping data are not available or are incomplete. Refer to EAF Workbook.</td>
</tr>
<tr>
<td>E.3.f. [Archeological Sites]</td>
<td>Yes</td>
</tr>
<tr>
<td>E.3.i. [Designated River Corridor]</td>
<td>No</td>
</tr>
</tbody>
</table>
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FIGURES
Sake Brewery Project

USGS Location Map

5 Saint Andrews Road, Town of Hyde Park - Dutchess County, NY

Dutchess County Office:
21 Fox Street, Poughkeepsie, NY 12601
Phone: (845) 454-3980

Capital District Office:
547 River Street, Troy, NY 12180
Phone: (518) 273-0055

North Country Office:
375 Bay Road, Queensbury, NY 12804
Phone: (518) 812-0513

THE Chazen COMPANIES
ENGINEERS
LAND SURVEYORS
PLANNERS
ENVIRONMENTAL & SAFETY PROFESSIONALS
LANDSCAPE ARCHITECTS

Legend
Project Area

Sake Brewery Project
USGS Location Map

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375 Bay Road, Queensbury, NY 12804
Phone: (518) 812-0513

Legend
Project Area

Scale:
1 inch = 2,000 feet

 RL-B

Date:
3/19/2018

Project: 81745.00

Pages: 1
Sake Brewery Project

Wetland, Streams and Floodplain Map
(Refer to plans for unmapped stream on site.)

5 Saint Andrews Road, Town of Hyde Park - Dutchess County, NY

Legend
- Project Area
- NYSDEC Wetlands
- USFWS NWI Wetlands
- Tax Parcels
- NYSDEC Streams
- Floodway
- 100-year Flood Zone
- 500-year Flood Zone

Scale: 1 inch = 700 feet

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21 Fox Street, Poughkeepsie, NY 12601
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Phone: (518) 812-0513

THE Chazen COMPANIES

Date: 3/19/2018
Scale: 1 inch = 700 feet
Project: 81745.00
Pages: 4
Legend

- Project Area

Soils

- HsA: Hoosic gravelly loam, nearly level
- HsE: Hoosic gravelly loam, 25 to 45 percent slopes
- HuA: Hoosic-Urban land complex, nearly level
- HuB: Hoosic-Urban land complex, undulating
- Ur: Urban land

Tax Parcels

Sake Brewery Project

Soils Map

5 Saint Andrews Road, Town of Hyde Park - Dutchess County, NY
Figure 7
NYSDEC Environmental Resource Map
Figure 8
NYS Office of Parks, Recreation, and Historic Preservation Cultural Resource Information System (CRIS) Map

Archaeology Surveys
Survey Number: 95SR01752
Name: STAGE 1A AND 1B CULTURAL RESOURCES SURVEY, HYDE PARK SHOPRITE, HYDE PARK, DUTCHESS COUNTY, NEW YORK

Close
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ATTACHMENT A

NYSDEC Correspondence
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December 26, 2017

David MacDougall
The Chazen Companies
547 River Street
Troy, NY 12180

Re: Sake Manufacturing and Distribution
County: Dutchess Town/City: Hyde Park

Dear Mr. MacDougall:

In response to your recent request, we have reviewed the New York Natural Heritage Program database with respect to the above project.

Enclosed is a report of rare or state-listed animals and plants, and significant natural communities that our database indicates occur in the vicinity of the project site.

For most sites, comprehensive field surveys have not been conducted; the enclosed report only includes records from our database. We cannot provide a definitive statement as to the presence or absence of all rare or state-listed species or significant natural communities. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other sources may be required to fully assess impacts on biological resources.

Our database is continually growing as records are added and updated. If this proposed project is still under development one year from now, we recommend that you contact us again so that we may update this response with the most current information.

The presence of the plants and animals identified in the enclosed report may result in this project requiring additional review or permit conditions. For further guidance, and for information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the NYS DEC Region 3 Office, Division of Environmental Permits, at dep.r3@dec.ny.gov, (845) 256-3054.

Sincerely,

Andrea Chaloux
Environmental Review Specialist
New York Natural Heritage Program
The following state-listed animals have been documented in the vicinity of your project site.

The following list includes animals that are listed by NYS as Endangered, Threatened, or Special Concern; and/or that are federally listed or are candidates for federal listing.

For information about any permit considerations for your project, contact the Permits staff at the NYSDEC Region 3 Office, dep.R3@dec.ny.gov. For information about potential impacts of your project on these species, and how to avoid, minimize, or mitigate any impacts, contact the Hudson River Fisheries Unit, 21 South Putt Corners Road, New Paltz, NY 12561, 845-256-3071, HudsonRiverFish@dec.ny.gov.

A listing of Regional Offices is at http://www.dec.ny.gov/about/558.html.

The following species have been documented near the project site, generally within 0.5 mile. Potential onsite and offsite impacts from the project may need to be addressed.

<table>
<thead>
<tr>
<th>COMMON NAME</th>
<th>SCIENTIFIC NAME</th>
<th>NY STATE LISTING</th>
<th>FEDERAL LISTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fish</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shortnose Sturgeon</td>
<td>Acipenser brevirostrum</td>
<td>Endangered</td>
<td>Endangered</td>
</tr>
<tr>
<td>Atlantic Sturgeon</td>
<td>Acipenser oxyrinchus</td>
<td>No Open Season</td>
<td>Endangered</td>
</tr>
</tbody>
</table>

This report only includes records from the NY Natural Heritage database. For most sites, comprehensive field surveys have not been conducted, and we cannot provide a definitive statement as to the presence or absence of all rare or state-listed species. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other sources may be required to fully assess impacts on biological resources.

If any rare plants or animals are documented during site visits, we request that information on the observations be provided to the New York Natural Heritage Program so that we may update our database.

Information about many of the listed animals in New York, including habitat, biology, identification, conservation, and management, are available online in Natural Heritage's Conservation Guides at www.guides.nynhp.org, and from NYSDEC at www.dec.ny.gov/animals/7494.html.
The following rare plants, rare animals, and significant natural communities have been documented in the vicinity of the project site.

We recommend that potential onsite and offsite impacts of the proposed project on these species or communities be addressed as part of any environmental assessment or review conducted as part of the planning, permitting and approval process, such as reviews conducted under SEQR. Field surveys of the project site may be necessary to determine the status of a species at the site, particularly for sites that are currently undeveloped and may still contain suitable habitat. Final requirements of the project to avoid, minimize, or mitigate potential impacts are determined by the lead permitting agency or the government body approving the project.

The following significant natural communities are considered significant from a statewide perspective by the NY Natural Heritage Program. They are either occurrences of a community type that is rare in the state, or a high-quality example of a more common community type. By meeting specific, documented criteria, the NY Natural Heritage Program considers these community occurrences to have high ecological and conservation value.

### Wetland/Aquatic Communities

- **Crum Elbow Marsh**, west of project site: The marsh is small with excellent species and physiognomic diversity, surrounded by a landscape in moderate condition with moderate buffering capabilities.

- **Roosevelt Farm and Forest**, east of project site: This moderate-sized complex of nine vernal pools is hydrologically linked, with the potential to provide excellent habitat for obligate breeding amphibians. There is potential to find additional vernal pools within this complex, increasing the value of the area. The major portions of these vernal pools have excellent species condition, good flora species diversity, and a good surrounding forested buffer. However, the southernmost pools are in very close proximity to St. Andrew Road.

### Upland/Terrestrial Communities

- **Hemlock-Northern Hardwood Forest**, east of project site: This small forest has most species expected in a hemlock-northern hardwood forest, and it appears to have excellent species dispersion. The natural processes of this forest are in excellent shape, with very few exotic plant species present and no visible woolly adelgid. This occurrence dominates the entire landscape, and is located in all portions of the landscape, including core interior and the edges. The entire landscape is surrounded by suburban development and roads.

This report only includes records from the NY Natural Heritage database. For most sites, comprehensive field surveys have not been conducted, and we cannot provide a definitive statement as to the presence or absence of all rare or state-listed species. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other sources may be required to fully assess impacts on biological resources.

If any rare plants or animals are documented during site visits, we request that information on the observations be provided to the New York Natural Heritage Program so that we may update our database.

Information about many of the rare animals and plants in New York, including habitat, biology, identification, conservation, and management, are available online in Natural Heritage’s Conservation Guides at www.guides.nynhp.org, from NatureServe Explorer at www.natureserve.org/explorer, and from USDA’s Plants Database at http://plants.usda.gov/index.html (for plants).

Information about many of the natural community types in New York, including identification, dominant and characteristic vegetation, distribution, conservation, and management, is available online in Natural Heritage’s Conservation Guides at www.guides.nynhp.org. For descriptions of all community types, go to www.dec.ny.gov/animals/97703.html for Ecological Communities of New York State.