

Appendix E: SPDES Permit Application Supplemental Information Form

SPDES Permit Application Supplemental Information Form

§ 70-0117 Demonstration: Consideration of Future Physical Climate Risk

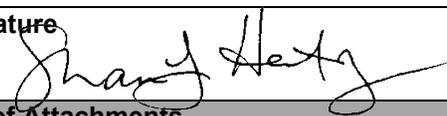
Following the 2019 Climate Leadership and Community Protection Act (Climate Act), which amended the 2014 Community Risk and Resiliency Act (CRRRA), individual SPDES permit applicants for “major” projects¹ are required to demonstrate consideration of future physical climate risks, including those due to sea level rise, storm surges, and flooding. This form has been developed so the applicant can assess relevant information to comply with the requirements to consider future physical climate risks to wastewater infrastructure (i.e., facility, pump/lift stations). This information can be used by applicants to support future planning efforts.

Applicants should review the [Flood Risk Management Guidance](#) and the [Asset Management Guide for Publicly Owned Treatment Works](#) to identify current and future flood elevations, and to review examples of risk mitigation strategies. For assistance reading flood maps, please contact the community Floodplain Administrator by emailing floodplain@dec.ny.gov.

For all fields provided below, applicants may attach additional sheets as necessary.

Facility			
1. a. Facility name	Oak Orchard Wastewater Treatment Plant	b. SPDES No.	NY0030317
2. a. Does the facility discharge to a tidal waterbody? (Y/N)	N	b. If yes, what is the high projection for sea level rise (SLR) in 6 NYCRR 490 for the regional area? (feet)	
3. Please describe the type and extent of any past flooding events at the facility.	No past flooding events		
4. What are the applicable Flood Insurance Rate Map (FIRM) Nos. and expiration dates?	36067C0079F 11/4/2016		
5. a. Is any portion of the facility located in a FEMA designated flood zone? If yes, what is the zone type? If no, are there adjacent flood zones that could be considered or skip to question 6.	No		
b. What is the lowest ground elevation at the facility? (ft)			
c. What is the Base Flood Elevation (BFE) at the facility? (ft)			
d. What is the Future BFE for the facility based on the NYS Flood Risk Management Guidance ? <i>Tidal Areas: BFE + SLR (Method 4)</i> <i>Non-Tidal Areas: Q100 (Method 3 or use available flood profiles from Flood Insurance maps)</i>			
e. What is the target elevation for <u>critical equipment</u> ? Future BFE + 3 feet			
f. Compare questions 5.b. and 5.e. Is the <u>target elevation</u> greater than the <u>lowest ground elevation</u> ?			
6. What climate risk mitigation measures are in place at the facility? Are any future projects anticipated that provide further opportunity to address climate risk?	Due to the elevation profile of this site climate risk mitigation measures are not anticipated for this facility. This facility, however, is anticipated to be evaluated as part of a Sanitary Sewer Evaluation Survey (SSES) within the next few years.		
Pump/Lift Station(s)			
7. Are there pump/lift station(s) owned by the permittee? If yes, how many? If no, skip to Certification	23		
8. Please describe the type and extent of any past flooding events at the pump/lift station(s).	No past flooding events have been identified for this facility or associated pump/lift stations.		

¹ “Major” projects are those identified in Uniform Procedures Act regulations at 6 NYCRR 621.4.

9. What are the applicable Flood Insurance Rate Map (FIRM) Nos. and expiration dates?		36067C0083F 36067C0081F 36067C0082F 36067C0079F 36067C0087F 11/4/2016
10. a. Are any pump/lift stations located in a FEMA designated flood zone? If yes, which stations and what zone type? If no, skip to question 11		NA
b. What is the lowest ground elevation at each pump/lift station? (ft)		
c. What are the BFEs , future BFEs, and target elevations for critical equipment (future BFE + 3 ft) for each pump/lift station?		
d. Compare questions 10.b. and 10.c. How many pump/lift stations are below the target elevation?		
11. What climate risk mitigation strategies are in place at the pump/lift stations? Are any future projects anticipated that provide further opportunity to address climate risk?		NA
Certification Statement		
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		
I have demonstrated consideration of current and future physical climate risk.		
Name (print or type first and last name) Shannon L. Harty, P.E.		Official Title Commissioner
Signature 		Date Signed 06/17/2025
List of Attachments		
Additional Resources/Information		
<ul style="list-style-type: none"> Flood Risk Management Guidance - https://www.dec.ny.gov/energy/102559.html Estimating Guideline Elevations - https://www.dec.ny.gov/docs/administration_pdf/crraestelevguidelines.pdf Asset Management Guide - https://www.dec.ny.gov/chemical/101412.html Sea Level Rise Projections - https://www.dec.ny.gov/regulations/103877.html Ground Elevations - https://ngmdb.usgs.gov/topoview/viewer/#13/43.2885/-74.4839 Flood Insurance Rate Maps - https://msc.fema.gov/portal/home Ten State Standards – https://www.health.state.mn.us/communities/environment/water/docs/tenstates/tenstatesan2014.pdf TR-16 – https://neiwppc.org/learning-center/tr-16-guides-design-wastewater-treatment-works/ DEC's Office of Climate Change - https://www.dec.ny.gov/energy/44992.html DEC's Water Quality Improvements Projects Funding – https://www.dec.ny.gov/pubs/4774.html EFC's Clean Water Financing – https://efc.ny.gov/ 		