

# 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), SPDES permit applicants for “major” projects<sup>1</sup> 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 to assess relevant information to comply with the requirements to consider climate risks.

Applicants should review the [Flood Risk Management Guidance](#) or [Asset Management Guide for Publicly Owned Treatment Works](#) to identify current and future flood elevations, and to review examples of risk mitigation strategies. The community Floodplain Administrator may be a good resource and can be found by emailing DEC at [floodplain@dec.ny.gov](mailto:floodplain@dec.ny.gov).

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

<b>Facility</b>			
1. a. Facility name		b. SPDES No.	
2. a. Does the facility discharge to a tidal waterbody? (Y/N)		b. If yes, what is the high projection for sea level rise (SLR) in <a href="#">6 NYCRR 490</a> for the regional area? (feet)	
3. Please describe the type and extent of any past flooding events at the facility.			
4. What are the applicable <a href="#">Flood Insurance Rate Map</a> (FIRM) Nos. and effective dates?			
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.			
b. What is the <a href="#">lowest ground elevation</a> at the facility? (ft)			
c. What is the <a href="#">Base Flood Elevation</a> (BFE) at the facility? (ft)			
d. What is the <b>Future BFE</b> for the facility based on the <a href="#">NYS Flood Risk Management Guidance</a> ? <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</u> equipment? <b>Future BFE + 3 feet</b>			
f. Compare questions <b>5.b.</b> and <b>5.e.</b> 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?			
7. For applications involving facility changes, have any other types of future physical climate risks been considered, including tropical and extratropical cyclones, wind, and changes in average/peak precipitation and temperature?			

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

Pump/Lift Station(s)	
8. Are there pump/lift station(s) owned by the permittee? If yes, how many? If no, skip to Certification	
9. Please describe the type and extent of any past flooding events at the pump/lift station(s).	
10. What are the applicable <a href="#">Flood Insurance Rate Map (FIRM)</a> Nos. and effective dates?	
11. 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	
b. What is the <a href="#">lowest ground elevation</a> at each pump/lift station? (ft)	
c. What are the <a href="#">BFEs</a> , future BFEs, and target elevations for critical equipment (future BFE + 3 ft) for each pump/lift station?	
d. Compare questions <b>10.b.</b> and <b>10.c.</b> Are any pump/lift stations below the target elevation?	
12. 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?	
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.	
<b>Name</b> (print or type first and last name)	<b>Official Title</b>
<b>Signature</b>	<b>Date Signed</b>
List of Attachments	
Additional Resources/Information	
<ul style="list-style-type: none"> <li>Flood Risk Management Guidance - <a href="https://www.dec.ny.gov/energy/102559.html">https://www.dec.ny.gov/energy/102559.html</a></li> <li>Estimating Guideline Elevations - <a href="https://www.dec.ny.gov/docs/administration_pdf/crraestelevguidelines.pdf">https://www.dec.ny.gov/docs/administration_pdf/crraestelevguidelines.pdf</a></li> <li>Asset Management Guide - <a href="https://www.dec.ny.gov/chemical/101412.html">https://www.dec.ny.gov/chemical/101412.html</a></li> <li>Sea Level Rise Projections - <a href="https://www.dec.ny.gov/regulations/103877.html">https://www.dec.ny.gov/regulations/103877.html</a></li> <li>Ground Elevations - <a href="https://ngmdb.usgs.gov/topoview/viewer/#13/43.2885/-74.4839">https://ngmdb.usgs.gov/topoview/viewer/#13/43.2885/-74.4839</a></li> <li>Flood Insurance Rate Maps - <a href="https://msc.fema.gov/portal/home">https://msc.fema.gov/portal/home</a></li> <li>Ten State Standards – <a href="https://www.health.state.mn.us/communities/environment/water/docs/tenstates/tenstatestan2014.pdf">https://www.health.state.mn.us/communities/environment/water/docs/tenstates/tenstatestan2014.pdf</a></li> <li>TR-16 – <a href="https://neiwpc.org/learning-center/tr-16-guides-design-wastewater-treatment-works/">https://neiwpc.org/learning-center/tr-16-guides-design-wastewater-treatment-works/</a></li> </ul>	