

# CLI-ECA 112-W601

## Sewage Pumping Station Design Report

### Minimum Requirements Checklist

*This check is intended to provide an overview of the minimum requirements for a Sewage Pumping Station and does not negate the requirements of other bodies, including but not limited to MECP, Region of Waterloo, GRCA. It is the responsibility of the Design Engineer to comply with all applicable Design Criteria, Guidelines, Manuals and Regulations.*

**Note: If you check “N/A” in any section, supporting references or comments are required.**

#### Section 1 – Sewage Pumping Station Design Report

*Including but not limited to:*

Requirements to be Included	Included	Reference/Justification
<ul style="list-style-type: none"> <li>Conforms to the MECP’s Design Criteria/Design Guidelines and the City of Waterloo standards/guidelines - whichever is more stringent</li> </ul>	Yes / NA	
<ul style="list-style-type: none"> <li>HVAC systems; and hazard ratings throughout station - risk assessment</li> </ul>	Yes / NA	
<ul style="list-style-type: none"> <li>Description of each component of the pumping station</li> </ul>	Yes / NA	
<ul style="list-style-type: none"> <li>Number and type of pumps, individual and combine capacities</li> </ul>	Yes / NA	
<ul style="list-style-type: none"> <li>Wet/dry well(s) sizing, level alarms and buoyancy calculations</li> </ul>	Yes / NA	
<ul style="list-style-type: none"> <li>Electrical systems including standby power; controls and instrumentation description including alarms</li> </ul>	Yes / NA	
<ul style="list-style-type: none"> <li>Hydraulic calculations including transient analysis and design flow and firm capacity</li> </ul>	Yes / NA	
<ul style="list-style-type: none"> <li>Bypass and/or overflow details</li> </ul>	Yes / NA	
<ul style="list-style-type: none"> <li>Inspection and testing plans</li> </ul>	Yes / NA	
<ul style="list-style-type: none"> <li>Evidence of the adequate capacity of the downstream sewage works to receive flow from the proposed pumping station</li> </ul>	Yes / NA	
<ul style="list-style-type: none"> <li>Contingency plans for emergency situations, e.g., pump failure situations and possible overflows</li> </ul>	Yes / NA	

#### APPLICANT ACKNOWLEDGEMENT AND AUTHORIZATION

Name: \_\_\_\_\_ PEO License #: \_\_\_\_\_  
 Title: \_\_\_\_\_ Company: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_