

7. Nutrient Management	Grant Rate	Grant Ceiling	Application Date
	75%	\$12,000	November 21 st , 2022
<p>Purpose:</p> <ul style="list-style-type: none"> On-farm projects that improve local water quality through the reduction and elimination of excess nutrients from animal waste contamination and elimination or recycling of wastewater streams to recover nutrients before discharging to watercourses. Improvements to irrigation practices to reduce excess agricultural nutrient loading. 			
<p>Category Guidelines:</p> <ul style="list-style-type: none"> The Niagara Peninsula Conservation Authority must review and approve all projects before construction. Projects will have an approved Nutrient Management Strategy that demonstrates that upgraded storage needs meet the MSTOR sizing requirements of section 69 of <i>Nutrient Management Act</i>. Existing manure storages for non-regulated farm operations (not phased into <i>Nutrient Management Act</i>). All necessary permits/permissions must be obtained before project commencement. 			
<p>Eligible Projects:</p> <ul style="list-style-type: none"> Solid & liquid manure storages (earthen, concrete, steel, roofed) tanks and in-barn (below barn) and improvements to prevent risks of contamination. Runoff containment and storages. Increased storage to meet winter spreading restrictions. Clean water diversions. Manure treatment technologies (i.e., dewatering, nutrient recovery systems, solid-liquid separation). Modifications to manure application equipment (i.e., high trajectory) for improved manure application. Manure volume-reducing in-barn modifications (i.e., liquid-solid separation technologies). Decommissioning of manure storage that is part of an improvement project. Treatment trench systems, separate storage, transfer systems, vegetated filter strips that are designed to OMAFRA standards. Transfer piping to suitable storages. Greenhouse recirculation equipment, collection, storage, transfer, and treatment system. Fruit and vegetable washing facilities. Tile drainage control shutoff. Other Innovative discharge treatment technologies. Water meters to monitor the amount of wash water discharged and sumps when required. Improvements to irrigation practices to reduce excess agricultural nutrient loading. 			
<p>Eligible Costs:</p> <ul style="list-style-type: none"> Professional services (e.g., engineering costs). Approved construction materials. Consultant fees to develop an irrigation management plan that results in a water conservation improvement project. Pre/post project sampling and analysis. Contractor labour. Excavation services. NPCA Administrative costs- Project management, project implementation, planting plan design, site supervision. 			

Ineligible Costs:

- New or expanding operations.
- Repair and maintenance of buildings.
- Repair and maintenance of existing nutrient recovery equipment.
- Equipment to move manure from storage to field (i.e., Pumping equipment).
- Transportation costs of exported manure or local haulage of manure.
- Project permit fees.
- Incineration units.
- Manure storage additives & related technologies.
- Decommissioning of manure storage that is not part of an improvement project.
- Design, construction, and installation costs of items not directly related to the recycling process.
- Landowner labour costs.
- Administrative costs.
- Professional services not directly related to irrigation management planning that result in a water conservation improvement project
- Routine sampling and analysis
- Purchase and installation of irrigation monitoring equipment
- Water source development, drilling, and changes to water licensing agreements
- Upstream water distribution systems that are not part of a farmer's operation

Potential Key Performance Indicators:

- Kg of phosphorus reduced
- Manure storage projects completed
- Waste water projects completed
- Hectares of drip or trickle irrigation completed