

**Appendix A to rule 901:10-1-09: Operational Changes to Permits to Install and Permits to Operate.**

Operational changes	Comment
To correct technical mistakes, such as errors in calculation made in determining land application rates; record changes and calculations in the operating record in accordance with rule 901:10-2-16 of the Administrative Code.	See rule 901:10-2-14 of the Administrative Code.
Administrative changes in Emergency Response Plan or Closure Plan, e.g., changes in personnel or telephone numbers; record in the emergency response plan or the operating record as applicable, in accordance with either rule 901:10-2-17 or 901:10-2-16 of the Administrative Code.	See rules 901:10-2-17 [emergency response] and 901:10-2-18 [closure plans] of the Administrative Code.
Changes in methods of handling and disposing of dead livestock, unless the facility is proposing to change the method to mortality composting; record in the operating record in accordance with rule 901:10-2-16 of the Administrative Code.	See rule 901:10-2-15 of the Administrative Code
Changes in rates of land application of nitrogen or phosphorus made for each land application area that do not impact the total nutrient budget by more than ten per cent; compare to total nutrient requirements for the farm and record in the operating record in accordance with rule 901:10-2-16 of the Administrative Code.	See rule 901:10-2-14 of the Administrative Code.
Changes in frequency of sampling or monitoring or reporting of soil at the land application area or of manure at the manure storage or treatment facility that do not exceed the minimum requirements in rules 901:10-2-10 and 901:10-2-13 of the Administrative Code; record changes in the operating record in accordance with rule 901:10-2-16 of the Administrative Code.	See rules 901:10-2-13 [soil sampling and results] and 901:10-2-10 [manure characterization] of the Administrative Code.
Changes due to use of a Distribution and Utilization Plan that will either add or decrease the amount of manure to be managed by land application; record in the operating record in accordance with rule 901:10-2-16 of the Administrative Code.	See rule 901:10-2-11 of the Administrative Code.
Equipment replacement or upgrading with new or functionally equivalent components (e.g., pipes, valves, pumps, conveyors, controls) or to use technological advancements; record in the operating record in accordance with rule 901:10-2-16 of the Administrative Code.	See rule 901:10-2-08 of the Administrative Code.
Changes made in using different land application areas: identify and record new land application areas in the operating record in accordance with rule 901:10-2-16 of the Administrative Code.	
If applicable, changes in any biosecurity plan maintained at the facility. Notify the Director in correspondence.	

<b>Major operational changes.</b>	Comment
Changes or addition of any manure storage or treatment facility, change in animal species or size, that is less than a 10 per cent increase in design capacity. Any additional manure volume generated less than 10 percent from the permitted design capacity including contaminated stormwater	See rule 901:10-2-02 of the Administrative Code.
Additional or advanced treatment systems (e.g., sand separators, solid separators, screen presses, screw presses and anaerobic digesters)	See rules 901:10-2-04 and 901:10-2-08 of the Administrative Code.
Changes to the Insect and Rodent Control Plan.	See rule 901:10-2-19 (F) of the Ohio Administrative Code.

**Appendix B to rule 901:10-1-09: Operational Changes to NPDES permits and NPDES provisions of Permits to Operate.**

<b><u>Operational changes</u></b>	<b><u>Comment</u></b>
<u>To correct technical mistakes, such as errors in calculation made in determining land application rates; record changes and calculations in the operating record in accordance with rule 901:10-2-16 of the Administrative Code.</u>	<u>See rule 901:10-2-14 of the Administrative Code.</u>
<u>Changes in methods of handling and disposing of dead livestock, unless the facility is proposing to change the method to mortality composting; record in the operating record in accordance with rule 901:10-2-16 of the Administrative Code.</u>	<u>See rule 901:10-2-15 of the Administrative Code</u>
<u>Changes in rates of land application of nitrogen or phosphorus made for each land application area that do not impact the total nutrient budget by more than ten per cent; compare to total nutrient requirements for the farm and record in the operating record in accordance with rule 901:10-2-16 of the Administrative Code.</u>	<u>See rule 901:10-2-14 of the Administrative Code.</u>
<u>Changes in frequency of sampling or monitoring or reporting of soil at the land application area or of manure at the manure storage or treatment facility that do not exceed the minimum requirements in rules 901:10-2-10 and 901:10-2-13 of the Administrative Code; record changes in the operating record in accordance with rule 901:10-2-16 of the Administrative Code.</u>	<u>See rules 901:10-2-13 [soil sampling and results] and 901:10-2-10 [manure characterization] of the Administrative Code.</u>
<u>Equipment replacement or upgrading with new or functionally equivalent components (e.g., pipes, valves, pumps, conveyors, controls) or to use technological advancements; record in the operating record in accordance with rule 901:10-2-16 of the Administrative Code.</u>	<u>See rule 901:10-2-08 of the Administrative Code.</u>

<b><u>Major operational changes</u></b>	<b><u>Comment</u></b>
<u>Changes or addition of any manure storage or treatment facility, change in animal species or size, that is less than a 10 per cent increase in design capacity. Any additional manure volume generated less than 10 percent from the permitted design capacity including contaminated stormwater</u>	<u>See rule 901:10-2-02 of the Administrative Code.</u>
<u>Additional or advanced treatment systems (e.g., sand separators, solid separators, screen presses, screw presses and anaerobic digesters)</u>	<u>See rules 901:10-2-04 and 901:10-2-08 of the Administrative Code.</u>