

PA614. WATERING FACILITY

Design and Construction Requirements

The following items must be addressed in the design folder for the Watering Facility where applicable:

Survey Record

1. Profiles between the water source and the proposed watering facility.
2. Sketch of water source (spring, pond or stream), facility location(s), and benchmark(s).
3. Foundation material in the facility area.

Design Data

The following is a list of minimum required design data:

1. Documented compliance with Pennsylvania One Call.
2. Plan view map showing; location of all planned practices and components for the entire watering facility system, including fencing and escape features, if needed.
3. Profile and details of all pipelines, valves, and other appurtenances.
4. Difference in elevation between the inlet at the source to the overflow in the nearest facility.
5. Difference in elevation between facilities in series.
6. Type, material, and dimensions of tanks, troughs, and ramps.
7. Method of stabilizing the area around the watering facility.

8. User needs
9. System capacity calculations
10. Quantity calculations and a cost estimate.
11. O&M Plan.
12. E&S Plan
13. Identify permit needs, where applicable.
14. Complete Section 6 of construction specification PA-614

Construction Check Data

Verify and document the following where applicable:

1. Foundation preparation and conditions.
2. Type and size of facility; e.g. troughs and tanks
3. Pipe and valve size(s) and types
4. Installation of material to stabilize the areas around the troughs.
5. Fencing, if needed.