

# MINNESOTA PIPELINE PROJECT

## PRIVATE INVESTMENT, PUBLIC EDUCATION LABOR AND INDUSTRY EXPERIENCE

### Occupational Competency Summary

**Swine Technician (Sow Farm)** – A Swine Technician is one who assists in providing all daily aspects of animal care, specializing in sow farm operation.

#### Industry-Sector Technical Competencies

- Food Standard Operating Procedures – Understanding of proper procedures for animal feeding.
- Employee/Contractor Performance Management Training/Development – Understand the theory behind employee management principles and training techniques.
- Herd Tracking – Knowledge of skills and tools used for tracking individual animals and animals as a herd.
- Herd Management – Exposure to the science and business of producing domestic livestock species.
- Animal Movement Production – Knowledge of principles regarding safe and healthy movement of a herd.
- Employee/Contractor Training – Understanding of working with a variety of employees/contractors involved in swine production.
- Employee/Contractor Performance Management – Knowledge of important factors to monitor in working with an extensive group of employees/contractors.
- Feed Maintenance – Attention to quality control of feed and minimizing health risks for the herd.

#### Occupation-Specific Competencies

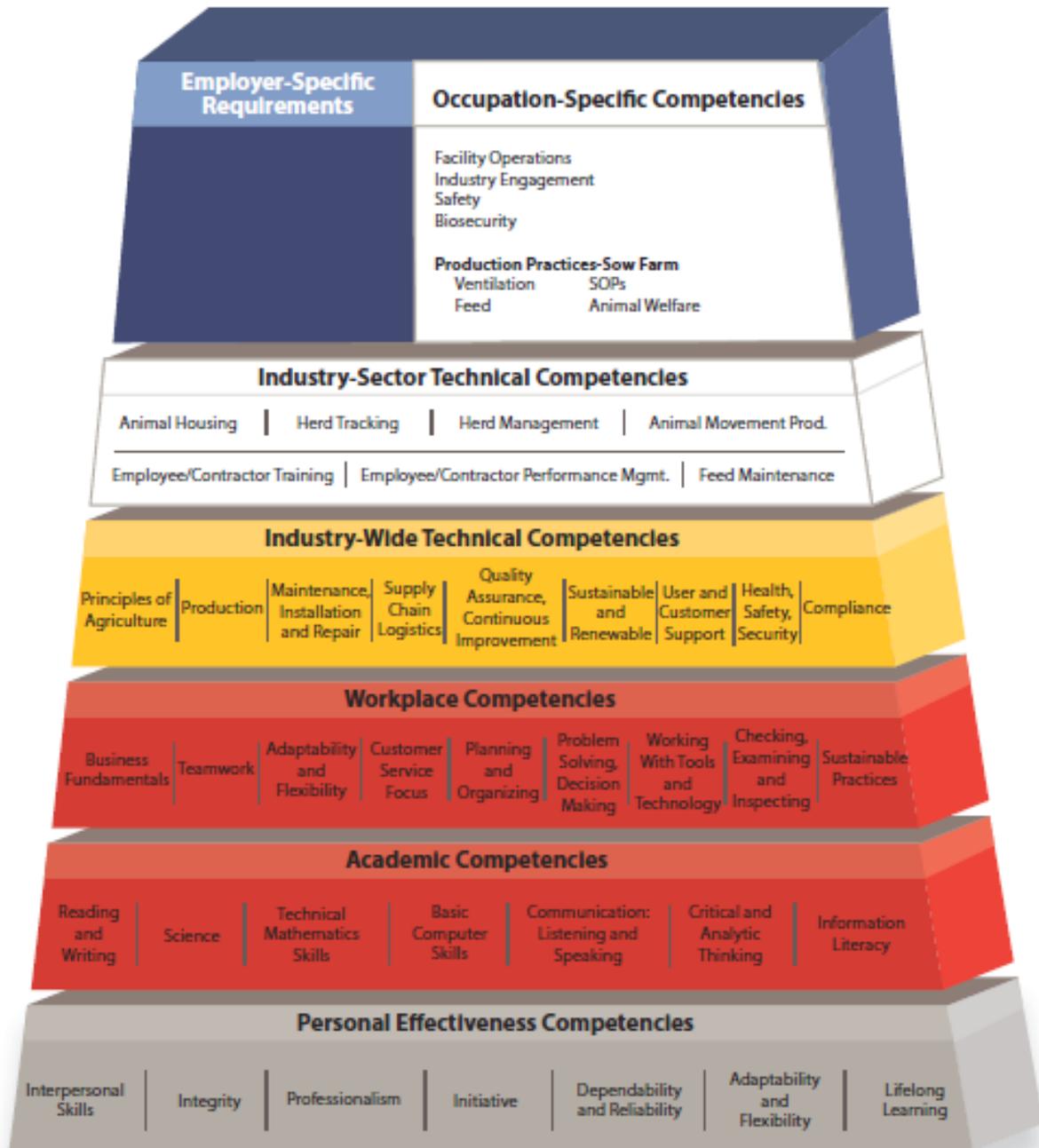
- Facility Operations – Management of all systems and controls of the facility including ventilation, feeding and watering.
- Industry Engagement – Introduction to opportunities to engage with other businesses within the agricultural industry.
- Safety – Ability to use proper industry standards to maintain a safe work environment to ensure personal well-being.
- Biosecurity – Knowledge of procedures intended to protect livestock animals against disease or harmful biological agents

- **Production Practices – Sow Farm**

- Ventilation – Understanding of importance or and the ability to manage systems to maintain proper ventilation of facility.
- Feed – Awareness of livestock feeding procedures and essential nutrition.
- Animal Welfare – Ability to properly handle livestock with attention to their welfare.
- Standard Operating Procedures – Knowledge of operating procedures for the facility and herd management.

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## Competency Model for Agricultural Occupation: Swine Technician (Sow Farm)



Based on: Competency Model for Employment and Training Administration, United States Department of Labor.

## Swine Technician (Sow Farm) Occupational Competency Training Plan

*Related Instruction means an organized and systematic form of instruction designed to provide the apprentice with the knowledge of the theoretical and technical subjects related to the apprentice's trade of occupation, or industrial courses or, when of equivalent value, by correspondence, electronic media, or other forms or self-study approved by the commissioner.*

	<b>Course</b>	<b>Course Description</b>	<b>Credit/Non-Credit</b>	<b>Hours Spent on Competency</b>
Animal Housing				
Herd Tracking				
Herd Management				
Animal Movement Production				
Employee/Contractor Training				
Employee/Contractor Performance Management				
Feed Maintenance				

*On-The-Job Training is the work experience and instruction. Training experience need not be in the exact order as listed below.*

	<b>Trainer/Instructor</b>	<b>Name of person responsible for verifying competency mastery</b>	<b>Hours spent on competency</b>
Facility Operations			
Industry Engagement			
Safety			
Biosecurity			
Production Practices: Ventilation, Animal Welfare, Feed, SOPs			