

## HOG + CATTLE FEEDLOTS



The ever expanding animal feedlot industry requires producers to be continuously updating their production operations while meeting state and county feedlot requirements. Updating or expanding an operation can mean different things for different producers. Experience with the following projects has developed our expertise in this area: hog barns and cattle barns, compost facilities, hoop barn structures, open feedlot drainage designs, mono slope roof structures and earth lined lagoons. These projects require competence with engineered plans, soil profiles, construction inspections, concrete testing, environmental assessment worksheets, site design and land surveying.

### OPEN FEEDLOT/HOOP BARN

Feedlot operators have become more conscientious of environmental concerns related to nutrient runoff leaving open feedlots from rainwater or snowmelt. Housing the animals under a roofed structure prevents storm water runoff contamination. As a Technical Service Provider (TSP), we help producers work in conjunction with the Natural Resources Conservation Service (NRCS) through the Environmental Quality Incentives Program (EQIP) to build covered feedlot structures to prevent runoff and protect water quality.

### HOG CONFINEMENT BARN

Designing liquid manure storage areas requires knowledge of all types of hog confinement barns including: finishing, nursery, farrowing, gestation, gilt development and isolation barns. Sizes range from 24" shallow pit flush barns to 12' deep pits or even below grade circular storage tanks. ISG has the expertise and experience to design, inspect, and certify for each unique facility.

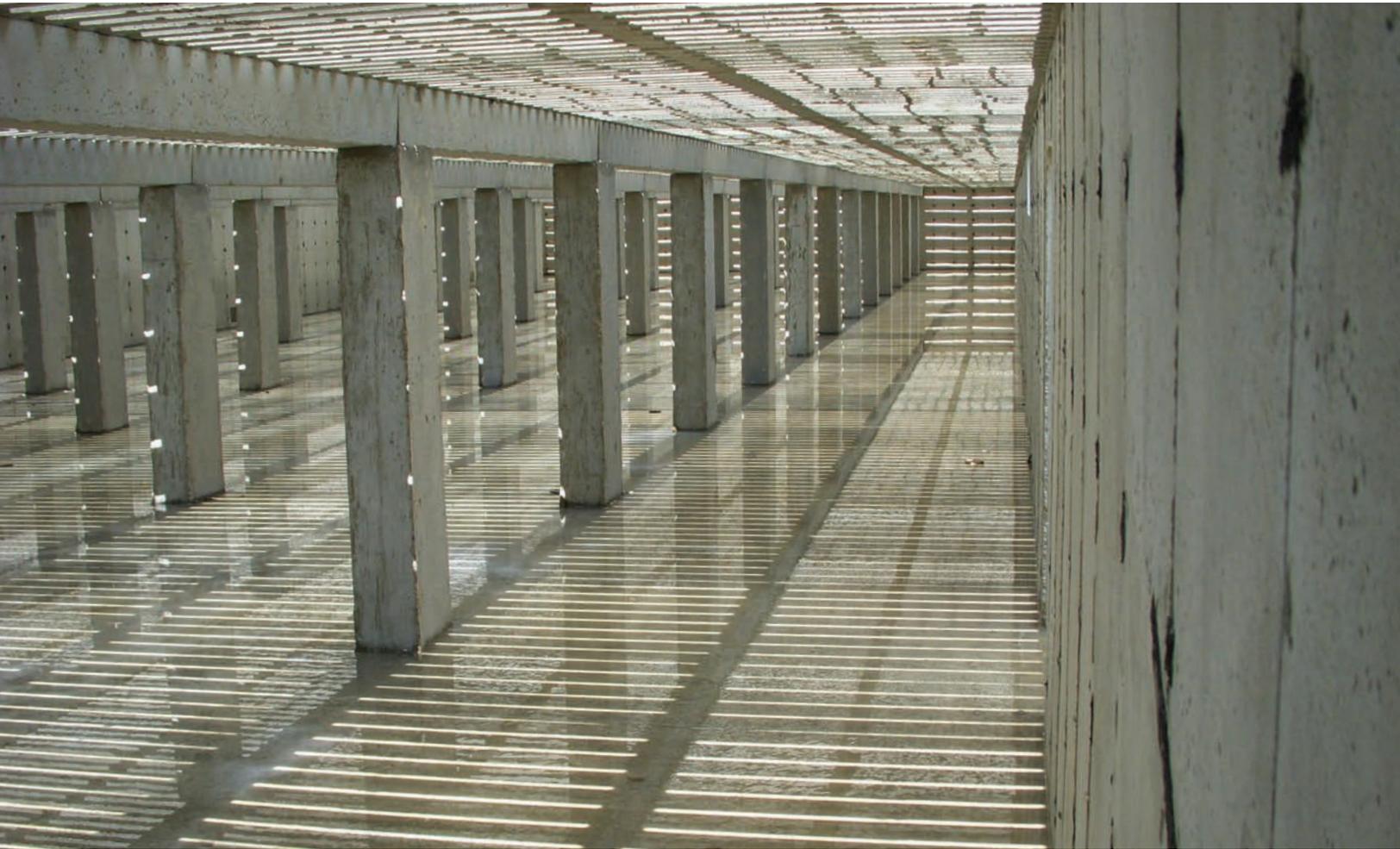
### COMPOSTING FACILITIES

On-site composting facilities are becoming more popular in the effort to reduce the spread of disease. With little cost and minimal maintenance to operate the facility, it is an easy and cost effective method of dealing with animal mortalities. Designing composting facilities to the size and capacity required can be accomplished - with or without roof structures - to meet the needs of the client, while also meeting state and NRCS requirements.

## ENVIRONMENTAL REVIEW + PERMITTING

ISG's vast and varied project experience allows us to guide livestock operators as they navigate the complex regulatory landscape, which may include planning and zoning hearings, state or local permitting, and environmental review. Our reputation with farmers and regulators alike, provides benefits when working with complex projects that have a compressed timeline. ISG's diversity of disciplines, from engineering to environmental, equips us to provide high quality, comprehensive assistance to clients for any modification, expansion, or new construction project.

- Stormwater Management + Stormwater Pollution Prevention Plans (SWPPP)
- Spill Prevention, Control + Countermeasure (SPCC) Plans
- Multi-State + Federal Wetland Permitting
- Air Permitting + Variance Requests
- DNR + Watershed District Permitting
- Animal Feedlot Permitting
- Building Permitting
- Conditional Use Permitting



## HOG + CATTLE FEEDLOTS



The ever expanding animal feedlot industry requires producers to be continuously updating their production operations while meeting state and county feedlot requirements. Updating or expanding an operation can mean different things for different producers. Experience with the following projects has developed our expertise in this area: hog barns and cattle barns, compost facilities, hoop barn structures, open feedlot drainage designs, mono slope roof structures and earth lined lagoons. These projects require competence with engineered plans, soil profiles, construction inspections, concrete testing, environmental assessment worksheets, site design and land surveying.

### OPEN FEEDLOT/HOOP BARN

Feedlot operators have become more conscientious of environmental concerns related to nutrient runoff leaving open feedlots from rainwater or snowmelt. Housing the animals under a roofed structure prevents storm water runoff contamination. As a Technical Service Provider (TSP), we help producers work in conjunction with the Natural Resources Conservation Service (NRCS) through the Environmental Quality Incentives Program (EQIP) to build covered feedlot structures to prevent runoff and protect water quality.

### HOG CONFINEMENT BARN

Designing liquid manure storage areas requires knowledge of all types of hog confinement barns including: finishing, nursery, farrowing, gestation, gilt development and isolation barns. Sizes range from 24" shallow pit flush barns to 12' deep pits or even

below grade circular storage tanks. ISG has the expertise and experience to design, inspect, and certify for each unique facility.

### COMPOSTING FACILITIES

On-site composting facilities are becoming more popular in the effort to reduce the spread of disease. With little cost and minimal maintenance to operate the facility, it is an easy and cost effective method of dealing with animal mortalities. Designing composting facilities to the size and capacity required can be accomplished - with or without roof structures - to meet the needs of the client, while also meeting state and NRCS requirements.

### ENVIRONMENTAL REVIEW + PERMITTING

ISG's vast and varied project experience allows us to guide livestock operators as they navigate the complex regulatory landscape, which may include planning and zoning hearings, state or local permitting, and environmental review. Our reputation with farmers and regulators alike, provides benefits when working with complex projects that have a compressed timeline. ISG's diversity of disciplines, from engineering to environmental, equips us to provide high quality, comprehensive assistance to clients for any modification, expansion, or new construction project.