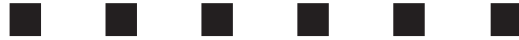


# Kyes Swine Lagoon Abandonment



## Size:

0 swine (300 head of finish pigs at time of operation)

## Challenge:

This lagoon was originally used for a swine finishing floor operation but had not been in production for the past 5 years. The cooperators wanted to decommission the lagoon.



## Demonstrated Practice:

- Lagoon Abandonment

## Description:

Abandonment procedures of this swine lagoon followed the following procedures:

- removal of all liquids and pumpable slurry,
- removal of sludge material by careful excavation,
- land-application of the liquid and sludge to cropland at agronomic rates, and
- the structure was filled with material from a borrow site.

ETF Contribution	Producer Contribution	Total Project Cost
\$2,880	\$1,121	\$4,001
<b>Demonstrated Practice:</b> Lagoon Abandonment		

## Design:

The structure was closed by pushing in the existing berms and bringing in additional fill dirt as needed. The area was crowned for rapid moisture movement away from the covered structure. After the dirt work was completed and the crown formed, a vegetative cover was established. Nutrients in the liquid and sludge were removed from the site and spread to cropland where they will be utilized and removed by the crop.

## Environmental Benefits:

With the nutrients removed and the lagoon bermed to prevent infiltration of rainwater, any remaining nutrients are isolated and the risk of groundwater contamination has been minimized.

