

## Livestock Engineering Unit Agricultural Engineering Branch



## Alberta Feedlot Management Guide **Facility Design to Protect the Environment** Author: Robert Borg, Unit Leader Livestock Engineering, Red Deer, Alberta Presenter: Tennis Marx, Feedlot Specialist, Camrose, Alberta Alberta Feedlot Management Guide Survey Environment/Facilities Sections Summary The first edition of the Alberta Feedlot Management Guide (1996) underwent extensive revisions after a survey of original purchasers was conducted. Users surveyed included backgrounder or finisher feedlots, cow-calf operations which also backgrounded and/or finished cattle, and consultants. Users of the guide reported that making only a few adjustments based on suggestions provided by the guide 00 The survey of users of the first edition of the Alberta Feedlot Management Guide (1996) showed that the facilities and environment section was one of the most used parts of the guide. 100% of users found the facilities section valuable for: Building new pens ----- Adopting new feedlot layout plans Increasing pen size and improved pen slope (no mud problems now) Developing catch basins systems \_\_\_\_ Planned expansion to feedlot Adapting area for composting \_\_\_\_\_ \_\_\_\_\_ Below pen drain-– Roadway drain Cattle handling alley-Optional bedded 2 - 4% \_\_\_\_\_ Composting – Waterer reduce odour less manure volume - control pathogens └─ Feedbunk └─ 0.5 - 0.75% 0.5 - 0.75%—/ and weeds 1% Feeding alley Feedlot pen Cattle alley

and drain

