

**QUANTIFICATION PROTOCOL FOR
INCLUDING DISTILLERS GRAINS AND
EDIBLE OILS IN CATTLE FEEDING REGIMES:**

Technical and Policy Issue Summary

Submitted to:

Alberta Environment

and

Alberta Agriculture, Food and Rural Development

March, 2007

Background

In conjunction with the development of the protocol document, a listing of key technical and policy issues were tracked for discussion as part of the technical and stakeholder review processes. The following document provides a listing of the key issues for discussion. Many of the issues have both a technical and policy component and are listed under both sections, as required.

Summary of Technical Issues

The following technical issues may be considered as part of the technical and stakeholder review processes:

- Setting of baseline condition
 - Mixed lifecycles within feeding facility
 - Start date
- Use of broad emission factors
 - Transparency
 - Applicability
 - Technical rigour
- Unit of comparison for functional equivalence being per unit of production
- Interpolation of data points as a means of accounting for slight changes within feeding regimes
- Twenty percent emission factor reduction for enteric emissions
 - Edible oils > 4%
 - Distillers grains > 25%
- Three day life for wet distillers grains
- No change in manure composition
- No change in feed production requirements as conservative assumption

Summary of Policy Issues

The following policy issues may be considered as part of the technical and stakeholder review processes:

- Setting of baseline condition
 - Mixed lifecycles within feeding facility
 - Start date
- Use of broad emission factors
 - Transparency
 - Applicability
 - Technical rigour
- Unit of comparison for functional equivalence being per unit of production