

FINDING OF NO SIGNIFICANT IMPACT

for
Pichia pastoris Single-Cellled Protein for Animal Feeds

FAP 2207

Phillips Petroleum Company
Bartlesville, OK

The Center for Veterinary Medicine has carefully considered the potential environmental impact of this action and has concluded that this action will not have a significant effect on the quality of the human environment. Therefore, an environmental impact statement will not be required.

Phillips Petroleum Company, on behalf of its subsidiary, Provesta Corporation, has filed a food additive petition requesting approval to use *Pichia pastoris* dried yeast as a protein source for feeds used for poultry, swine, and aquaculture.

Phillips has submitted the attached abbreviated environmental assessment (EA) dated April 9, 1987, as required under 21 CFR 25.31a(b)(5) for a substance that occurs naturally in the environment. The EA contains Industrial Wastewater Discharge Permit issued by the City of Bartlesville, National Pollutant Discharge Elimination System (NPDES) permit issued by the U. S. Environmental Protection Agency (EPA) and the Solid waste disposal permit issued by the Oklahoma State Department of Health.

In Tab A of the petition, it is reported that *Pichia pastoris* was first isolated from exudates of trees. Alexander (1977. Introduction to Soil Microbiology. 2nd edition. Wiley & Sons. p.63) states that, among other soil yeasts, the genus *Pichia* is frequently isolated. From the safety studies in Appendix V., it is evident that *Pichia pastoris* is not a pathogen of rodents and, by inference, a pathogen of swine, poultry or shrimp. Therefore, we can conclude that the EA requirements under 21 CFR 25.31a(b)(5) can be applied. In an October 19, 1993, letter, (attached) the sponsor confirmed that there were no changes to the information contained in the 1987 EA, except that the Industrial Wastewater Discharge Permit Number has been changed.

We have reviewed the current information and the April 9, 1987, abbreviated EA and have determined that they are adequate to show that the action is not expected to have a significant impact on the human environment.

10/25/93
Date

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Attachments: EA, dated April 9, 1987 and the October 19, 1993, letter