

RE: Review of – Water Lynx and Soil Lynx

PRODUCT

Water Lynx and Soil Lynx are manufactured and distributed by Clear Flow Enviro Systems Group Inc. based in Sherwood Park, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS:

Polyacrylamide (PAM) Erosion Control Emulsion is a synthetic organic polymer that binds soil together in soil suspended water resulting in clear runoff. Water Lynx is a semi-hydrated polyacrylamide blended block that when placed within turbid water flows will remove fine particles and reduce NTU values. Each block is formulated for the soil and water chemistry of the geographical area where placement and usage are intended. Soil Lynx is a soil specific tailored polyacrylamide co-polymer for erosion control. It reduces and prevents erosion of fine particles and colloidal clays from water.

The primary applications are:

Mine tailings and waste piles; Newly cleared construction or building sites; Road and highway construction; Hydroseeding and water truck application.

DESCRIPTION:

The application of Soil Lynx to soil surfaces will reduce mass erosion, reduce or eliminate fine soil particle suspension, reduce or eliminate colloid turbidity in runoff, increase soil infiltration rate, decrease runoff quantities and improve vegetation establishment. They provide superior tackifying characteristics.

POTENTIAL USAGE:

Erosion control in highway ditch and slope.

STANDARDS:

ANSI/NSF Standard 60 Drinking Water Treatment Chemical Additives
EPA/600/4-90/027F 48 hr. Acute Static Screen Toxicity Test (*Daphnia Magna*)
EPA/600/4-91/002 7 Day Chronic Toxicity Test (*Pimephales promelas*)

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Transportation has some experience with the use of Soil Lynx.

APPLICATION STANDARDS:

Alberta Transportation does not have a standard for Polyacrylamide (PAM).

RECOMMENDATIONS:

Water Lynx and Soil Lynx listed as a Proven Product under Alberta Transportation Product List, Erosion Control Systems – Polyacrylamide – Proprietary, based on the information provided.

TRIAL PROJECTS

897:02 Backslope erosion

529:04 McGregor Reservoir South Dam, west slope

Lafarge Onoway wash plant settling ponds

Fred Cheng

cc New Product Evaluation Standing Committee – Roger Skirrow