







INTRODUCTION Cont. <u>POLLUTION LOAD</u> Example of mass balance of chemicals in leather processing kg/ tonne of wet-salted hide			
Chrome oxide, Cr <sub>2</sub> O <sub>3</sub>	25	12	13
Organic tannins	25	20	5
Fat liquors	22	17	5
Dyestuffs	5	4	1
Acids, bases, salts	191	-	191
Tensides	3		3
Enzymes	5		5
Finishing products	100	12	88
Total	452	72	380

## National Environmental Standards and Regulations Enforcement Agency (NESREA)

## IMPACTS OF TANNERY WASTE ON THE ECOSYSTEM

nesrea

- Tannery wastewater and solid wastes often find their way into surface water, where toxins are carried downstream and contaminate water used for bathing, cooking, swimming, and irrigation. Chromium waste can also seep into the soil and contaminate groundwater systems that provide drinking water for nearby communities. In addition, contamination in water can build up in aquatic animals, which are a common source of food.
- Leather industry has negative impacts due to the pollution it adds to the environment. Chromium, one of the hazardous pollutants discharged from tanneries, is highly toxic and carcinogenic in nature.





















8



























