DESIGN PARAMETERS

Provide a system to separate solid waste from liquid organic waste.

Liquid will be processed thru the existing API separator and steam stripping system and solids, as a slurry, will be sent to an approved hazardous waste disposal site.

BASIC DATA

A. Liquid waste and water into the classifier system.

1. Liquid waste from Organics Plant		183,000 Gal/mo.
2. Water used in washing waste handling equipment		350,400 Gal/mo.
3. Well water used as seals		305,800 Gal/mo.
4. Rain water handled thru system		10,400 Gal/mo.
	TOTAL	849,600 Gal/mo.

B. Flow from the Classifier

1. Liquid to API separator		833,700 Gal/mo.
2. Waste to land fill		15,900 Gal/mo.
	TOTAL	849,600 Gal/mo.

C. Maximum input rate will be a 2000 gallon truck dumping into the classifier in twenty (70) minutes or 200 gallons per minute.

Design classifier to allow for solids settling at a 200 GPM thru-put.

$FeCl_3$ from tank cleaning will be transferred into th classifiers and then dissolved, using water, and sent to the API separator and thence to the plant outfall via the steam stripping system.

Approximately 2000 pounds per day of $FeCl_3$ will be processed thru the classifier.

This quantity is included in the 183,000 gallon/month liquid waste number.

Vent Stream

The composition of the vent from the classifier is not completely known at this time, and will not be until classifiers are in operation and test can be made of the classifier vent.

A vent scrubber will be installed to remove HCL fumes and will be designed to handle 8000 SCFH of nitrogen containing 3% HCL. This scrubber may remove some organics but the unit will have to be in operation before this is known.

A compressor system to compress vent gases and send them to the incinerators may have to be installed in the future.