

SCREENING

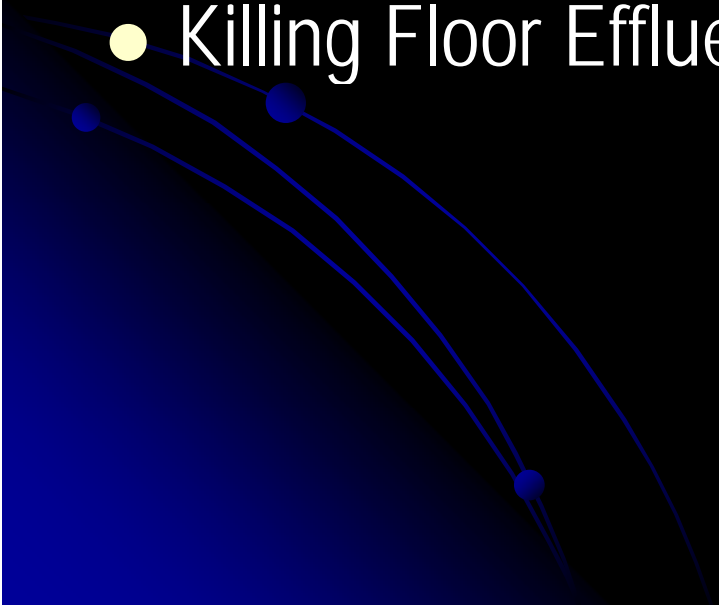
SOLIDS REMOVAL FROM EFFLUENT

*THE MOST COST EFFECTIVE FORM OF
EFFLUENT TREATMENT IN RANDBS PER
LITRE PROCESSED*



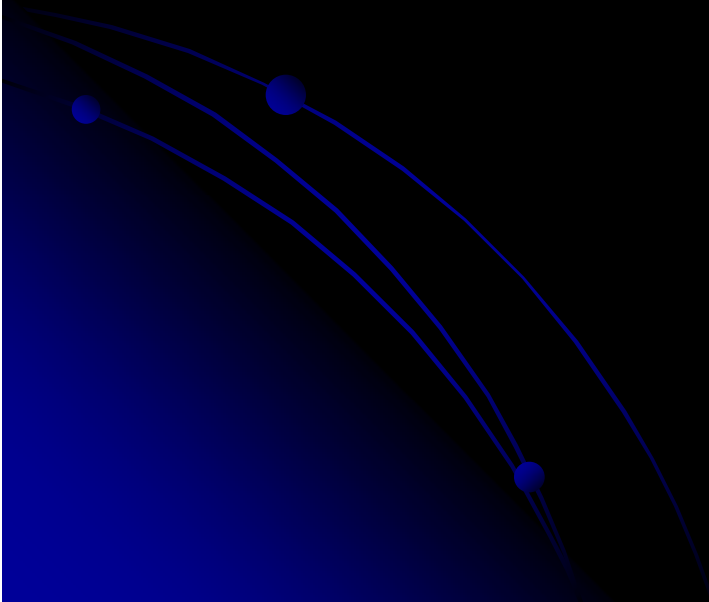
RED MEAT ABATTOIR WASTE WATER 3 EFFLUENT STREAMS

- Stock Yard Effluent - Manure & Wash Water
- Paunch Content - Injesta
- Killing Floor Effluent



STATIC SCREENS

Stock Yard Effluent - Manure & Waste Water
Paunch Content - Injesta



STATIC SCREENS

Dairy Manure

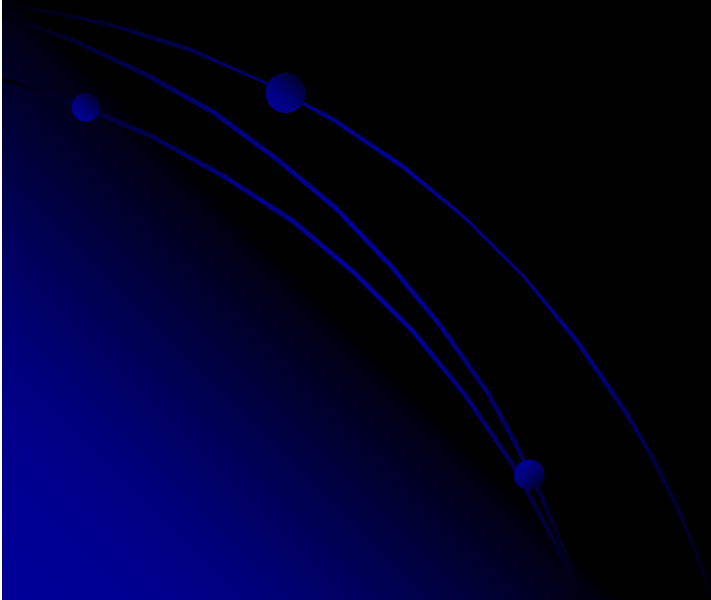


Sunnyside Dairy Manure



SPIRAL AUGER SCREEN

Paunch Content Dewatering



Paunch Dewatering



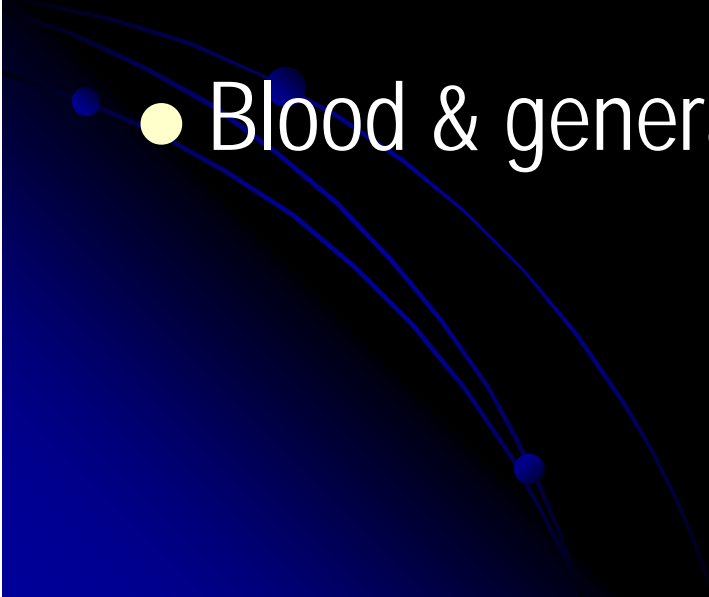
Paunch Infeed



Dry Discharge



KILLING FLOOR EFFLUENT HIGH SCREEN BLINDING POTENTIAL

- Fats, Oils, Grease (FOG).
 - Hair, Skin, Fleshings.
 - Blood & general floor washings.
- 

Rotary Drum Screens

- Self Cleaning
- Proven Reliability

With a track record in red meat abattoir effluent.



Pelts Tannery



Hide Skins Tannery



Fish Meal Recovery



Fruit & Vegetable Waste



Potatoe Processing



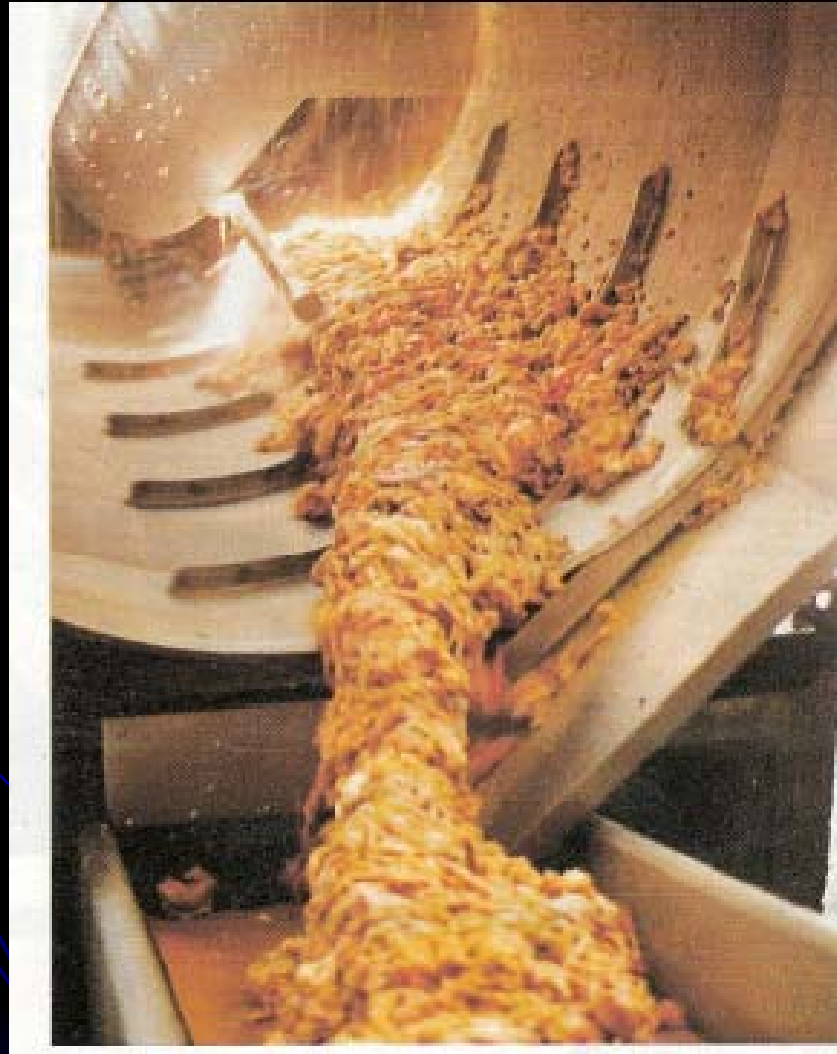
Poultry Processing Effluent



Meatco Abattoir



Offal Screening

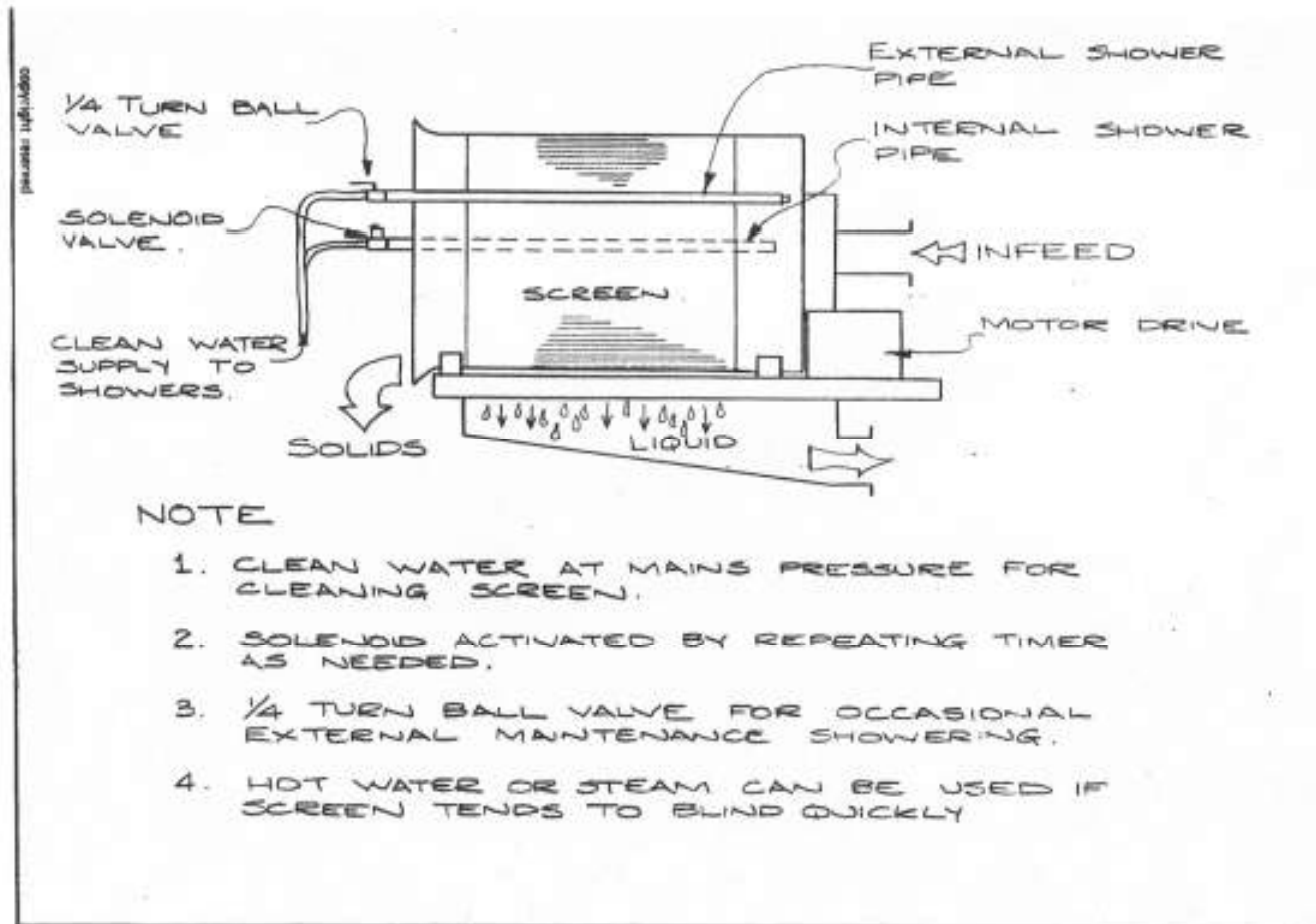


**SHOWERS ARE INCORPORATED IN
ALL AUTREX ROTARY DRUM
SCREENS**

**TIMER ACTIVATED AS NECESSARY
TO MAINTAIN A CLEAN SCREEN
FACE**

FLOW DIAGRAM

Autrex Rotary Drum Screen

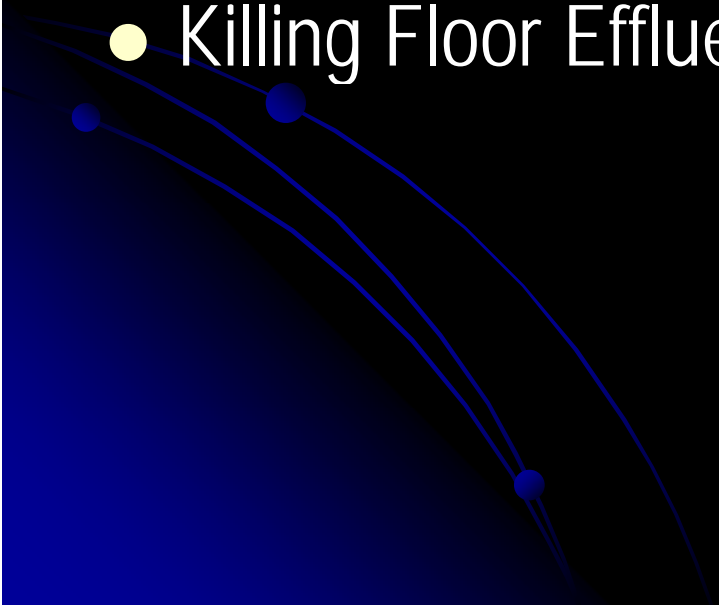


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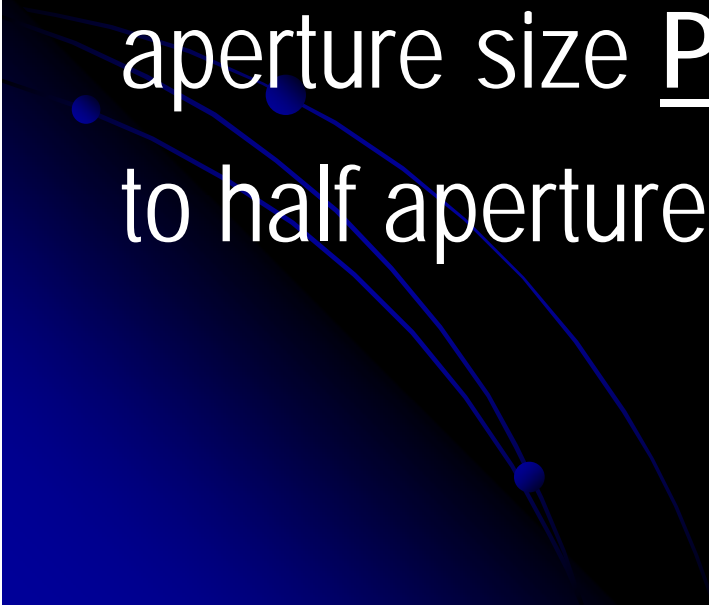
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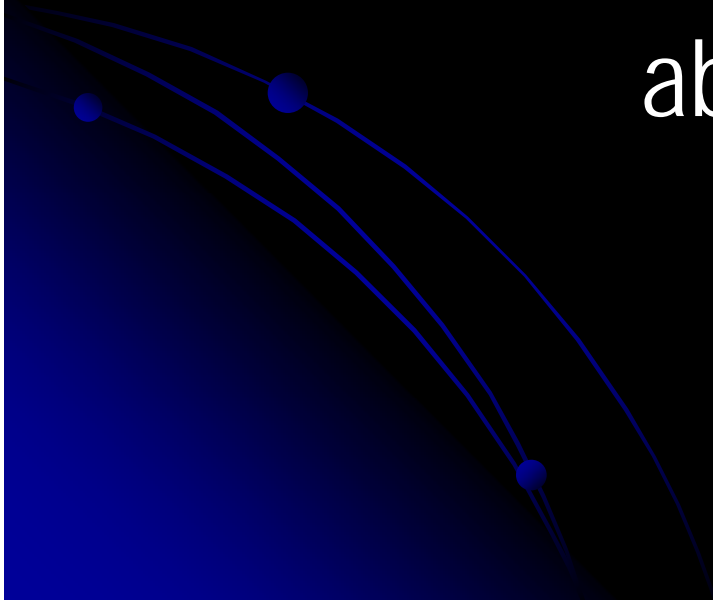


AUTREX DRUM SCREEN PROCESS GUARANTEE

The Autrex Rotary Drum Screen will remove 96% of all solids down to screen aperture size PLUS 55% of all solids down to half aperture size.



This type of Rotary Drum Screen was originally designed in New Zealand, and patented world wide to operate in the abattoir industry.



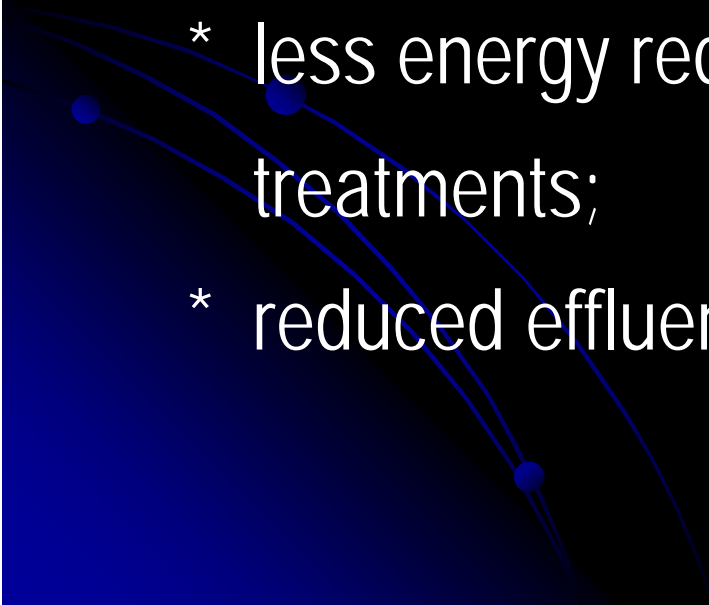
ROTARY DRUM SCREEN

PAY BACK

1. Self Cleaning - Less Labour
2. Product Recovery -
For Rendering
For fertilizer ingredients
For feed additive

3. Reduced load on further effluent treatment:

Resulting in more effective operation of Save-All and DAF Plants.

- * less chemicals used;
 - * less energy requirement for aeration and other treatments;
 - * reduced effluent plant size.
- 

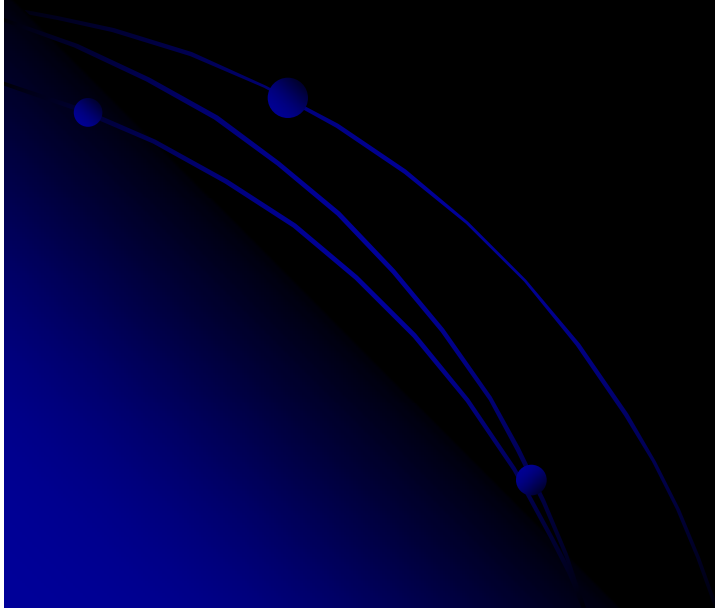
**SELF CLEANING ROTARY DRUM SCREENS
IDEALLY SUITED FOR THE ABATTOIR
INDUSTRY AND EXCLUSIVELY
MANUFACTURED BY**

AUTREX INDUSTRIAL SCREENING

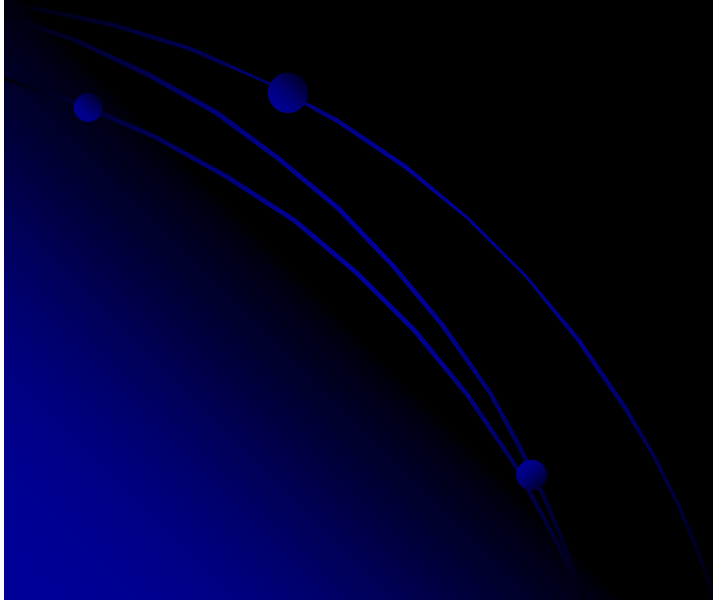
*(SOON TO BECOME INDUSTRIAL SCREENING
TECHNOLOGY).*



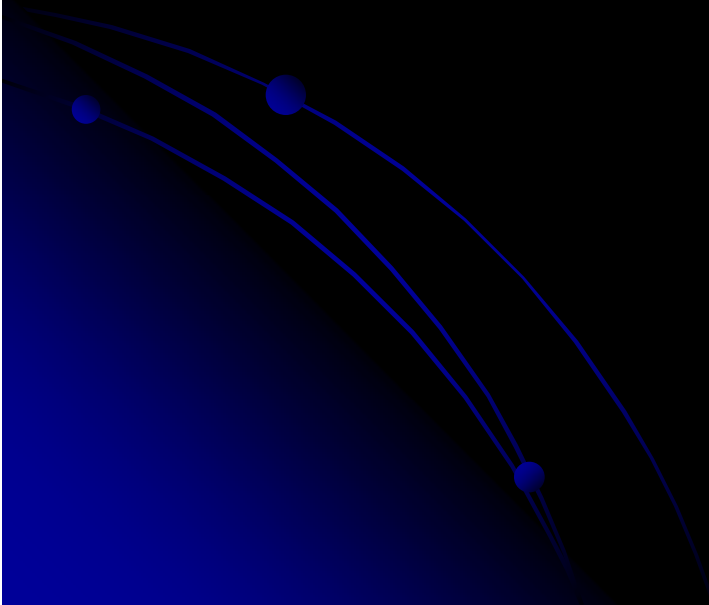
REMEMBER



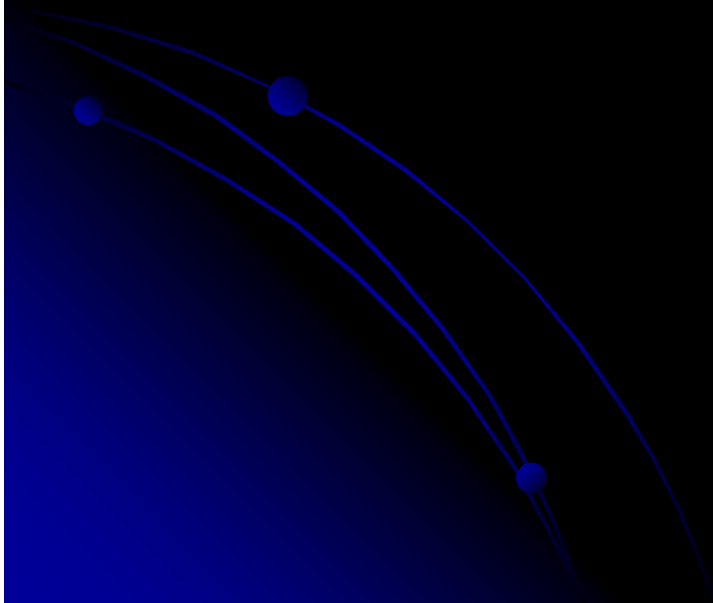
TIPS FOR THE SUCCESSFUL OPERATION OF AN EFFLUENT PLANT SCREENING SYSTEM



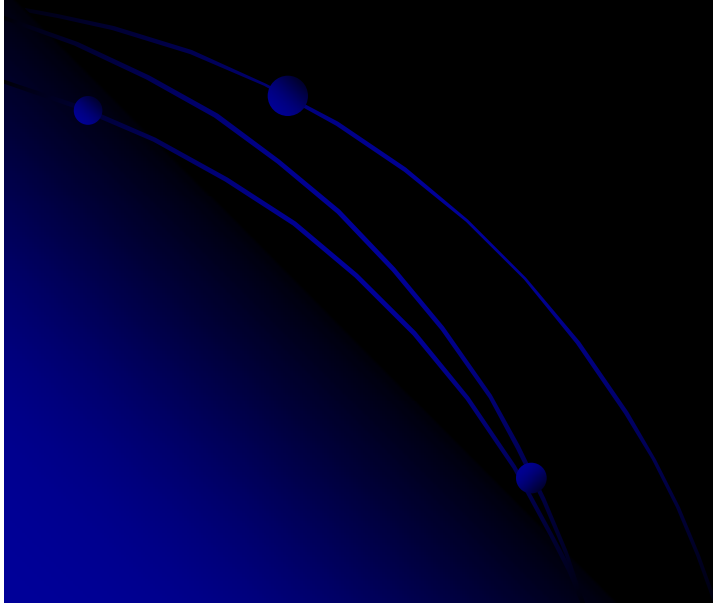
A. Select a proper solids handling pump that is capable of passing the largest solid you produce.



B. Size your screen to the pump that supplies it (in litres per minute).



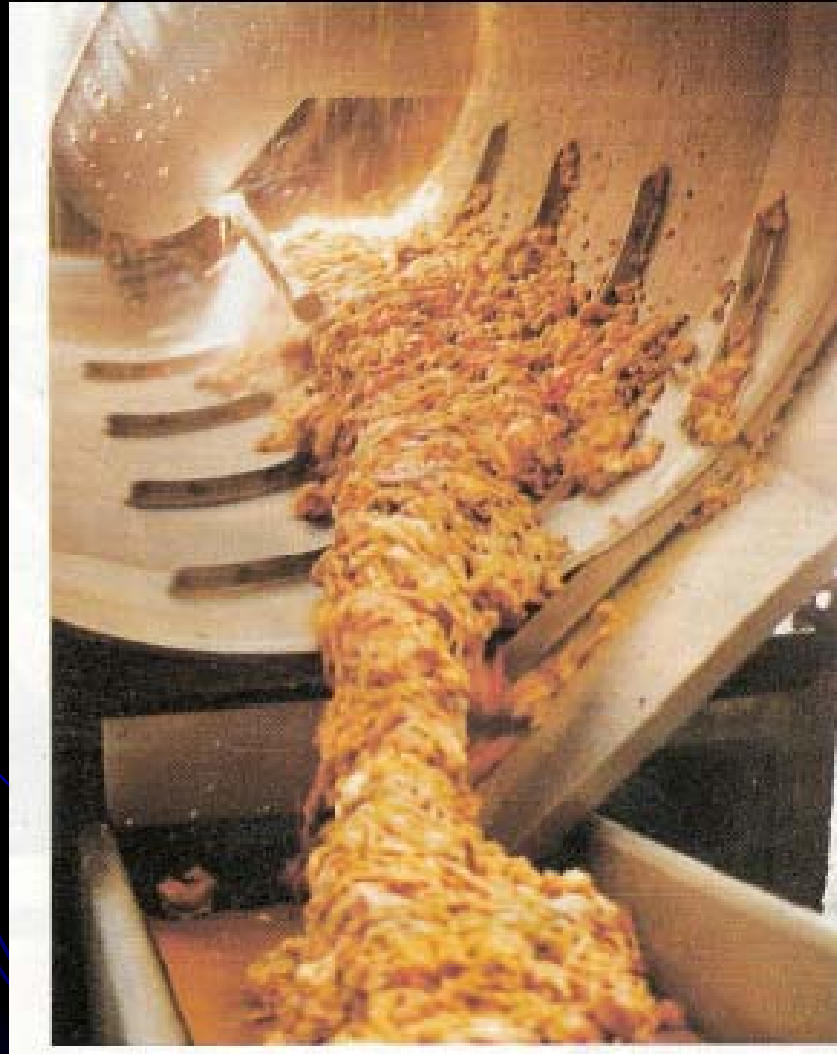
C. Any screen's hydraulic capacity is greatly affected by the solids load in the effluent.



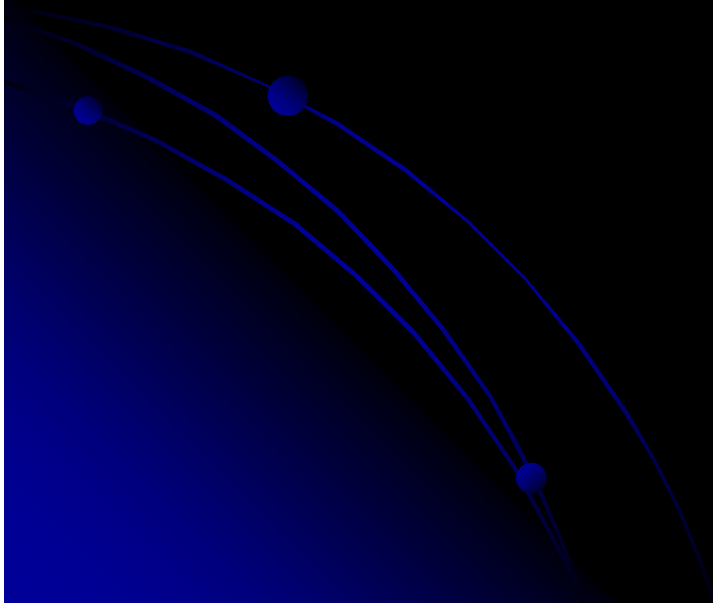
Paunch Content High Solids



Offal Screening



D. Install a mixer in the effluent collection sump to prevent it from becoming a settling tank.



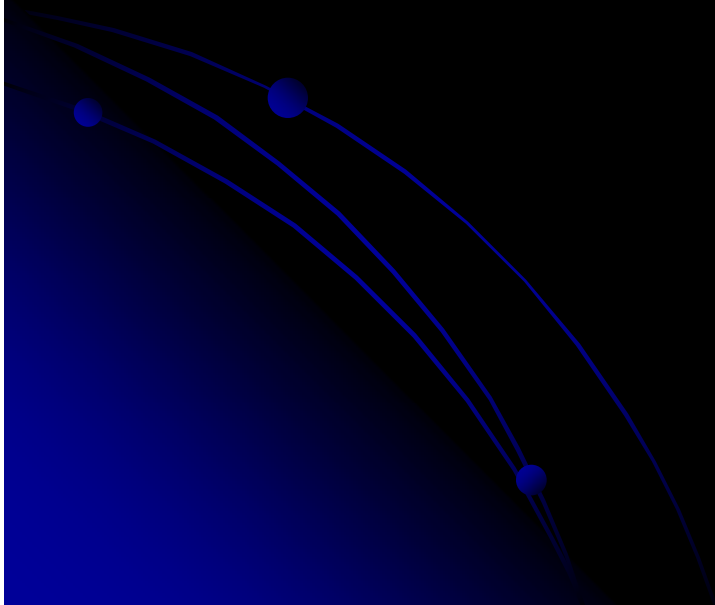
Droëvlei Sump Mixer



Effluent Collection Sump



E. Install the screen on a support platform that provides easy access for cleaning & maintenance.

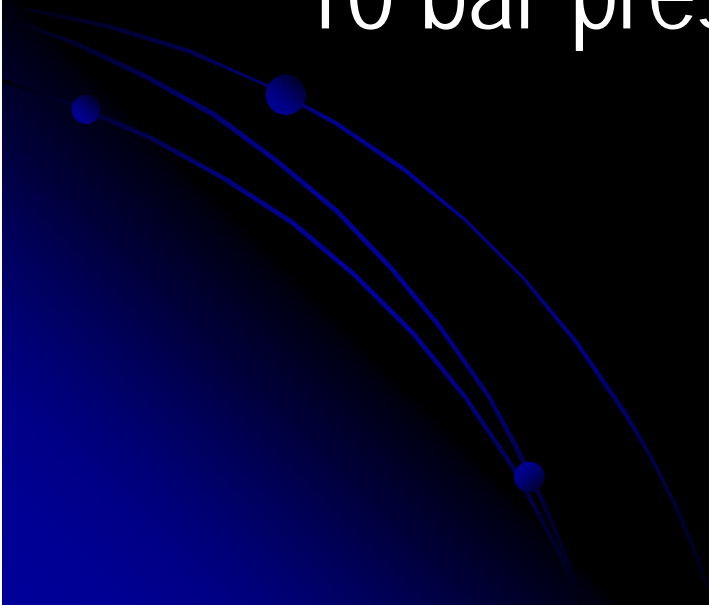


Screen on Support Stand



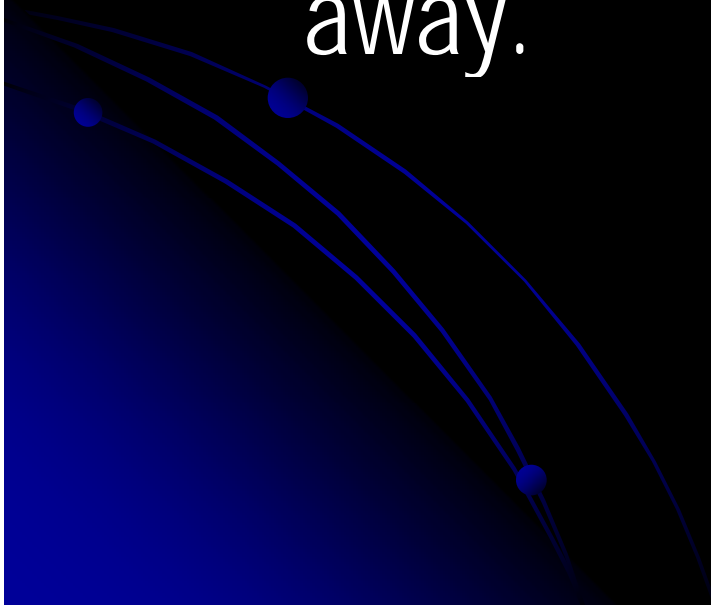


F. If you have a good supply of hot water, use it on the screen showers. Otherwise, provide cold water at 8 to 10 bar pressure (booster pump).



G. Install the screen where you want the solids collected.

It is easier to pipe the screened water away.



Solids Collection Point



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