

Electrocoagulation of Municipal Sewage from POTW Discharge Water

<u>(002-156)</u>	<u>Raw</u>	<u>Treated</u>	<u>% Removal</u>
BOD (mg / l)	1,050	14	99% +
TSS (mg / l)	4,620	7	99% +
Bacteria (cfu)	110,000,000	2,700	99% +

<u>(002-179)</u>	<u>Raw</u>	<u>Treated</u>	<u>% Removal</u>
BOD (mg / l)	79	0	99% +
TSS (mg / l)	12	6	50%

<u>(002-187)</u>	<u>Raw</u>	<u>Treated</u>	<u>% Removal</u>
BOD (mg / l)	500	19	96%
TSS (mg / l)	3,245	14	99% +

<u>(006-646)</u>	<u>Raw</u>	<u>Treated</u>	<u>% Removal</u>
BOD (mg / l)	3,345	510	84%
TSS (mg / l)	16,500	165	99%
Volatile Solids	12,300	126	99%

<u>Vanderbilt Study</u>	<u>Raw</u>	<u>Treated</u>	<u>% Removal</u>
COD	490	26	94.7%
Total Solids	602	401	43.4%
Suspended Solids	73	7	90.4%
Settleable Solids	21	5	76.2%
Total Hardness	127	11	91.3%
Alkalinity	267	11	95.8%
pH	6.88	7.02	
IOD	0.98	<0.1	89.8%
BOD	220	9	95.9%
Coliform	318,000	0	99% +
Phosphates	38	0	99% +