

Municipal Sewage Electrocoagulation Results – CO

A side stream test was conducted in July, 2011, at a Colorado facility using an electrocoagulation (EC) unit. The unit successfully reduced ammonia, phosphorus and total nitrogen. Results from the operation of the EC unit were not affected by water temperature or altitude. A summary of the nutrient removal efficiencies is shown in Figure 4.

Figure 4 - Electrocoagulation Nutrient Removal Summary

	NH ₃	NO ₂ NO ₃	Total P	TK N
Influent to EC	0.47	1.90	3.03	8.3
Effluent from EC	0.10	0.94	0.12	1.2
% reduction	78.72	50.53	96.04	85.54

