



Clearflow's Gel Flocculant Blocks Protect Environmentally Sensitive Area During Construction

Summerwood Residential Development Project

Background:

Strathcona County, municipality of Sherwood Park, is an environmentally sensitive area for the duck breeding ground and conservation area for many bird species, and the municipality was concerned about the potential impact of sediment during construction of new housing in the area. To mitigate this impact, Clearflow was called in to install Gel flocculant blocks at the inflow point to the pond and wetland area.

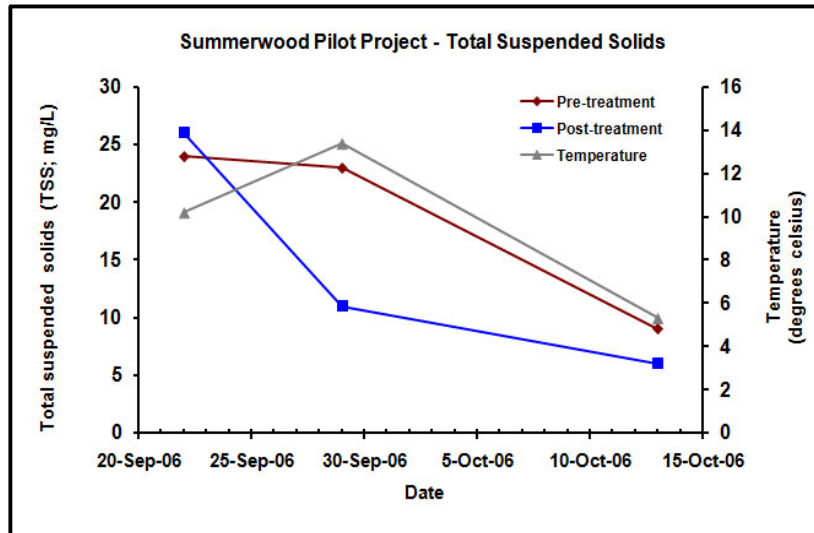


Solution:

Clearflow installed Gel flocculant blocks at the inflow point to the pond and wetland area during the construction period. The Gel flocculants were designed to attract suspended sediment particles in the water, forming larger and heavier particles that would settle out of the water. Clearflow's Gel flocculant blocks were able to maintain very low levels of total suspended solids (TSS) during the construction period, even in cold weather, as shown in the graph provided by Strathcona County.



Clearflow Gel Flocculant™ Blocks placed in the feed stream to the ponds



Results:

As noted in the picture, all the sediment dropped out in the primary settling area, and none of the wildlife was affected. The municipality was extremely satisfied with the results, and the Gel flocculant blocks successfully protected the environmentally sensitive area during construction. The results were extremely positive, with very low levels of TSS maintained throughout the construction period.



Sediment falls out immediately

Conclusion:

Clearflow's Gel flocculant blocks provided an effective solution for protecting an environmentally sensitive area during construction. The blocks successfully treated and settled suspended sediment particles, preventing negative impact on the wildlife in the area. Strathcona County was pleased with the results and can continue to rely on Clearflow's innovative water treatment solutions for their future needs.