



# Pilot Testing

*with Tonka Equipment Company*

***Designing a system to treat a difficult water source?***

***Are TOC or disinfection byproduct precursors an issue for your plant?***

***Will higher loading rates meet treatment performance criteria?***

A Tonka Equipment Company pilot study can provide the answers you need. Tonka's pilot capabilities include on-site bench testing, preliminary assessment testing, performance testing, and process equipment simulation for:

## Contaminants Treated

- Iron
- Manganese
- Radium
- Arsenic
- Color
- Turbidity
- TOC
- Fluoride
- Hardness
- Nitrate
- Uranium
- Hydrogen sulfide
- VOC

## Processes

- Aeration
- Chemical coagulation/flocculation
- Co-Precipitation
- Clarification
- Detention
- Filtration
- Ion Exchange
- Membrane separation
- Stripping
- Activated alumina adsorption
- GAC adsorption
- Dissolved air flotation (DAF)
- Media comparisons
- Loading rate comparisons

Complete systems can be crated and shipped to be erected on site. Fully equipped pilot trailers are also available for remote sites or when indoor space is limited.



*Chemical Feed Injection*



*Tonka Pilot Trailer*



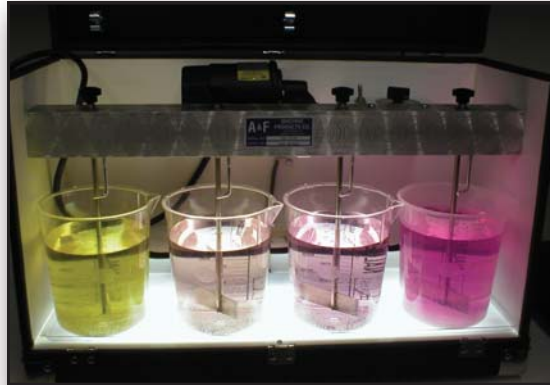
*Tonka Pilot Trailer*

## Tonka's Applications Engineering Department Oversees All Pilot Management

Prior to the start of the pilot study, a comprehensive pilot protocol is developed by Tonka and shared with the consulting engineer. An experienced Tonka professional then performs the on-site pilot study and collects samples. A complete report from our Engineering Department is available within two weeks after receipt of laboratory data. The report includes process recommendations and discussion of process efficiency.



*Hollow Fiber  
Membrane Pilot Skid*



*Gang Stirrer*



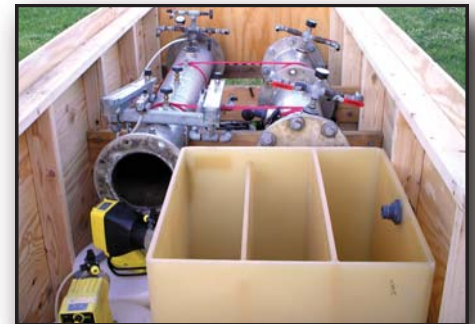
*Cross-Flow Membrane  
Pilot Skid (RO / Nanofiltration)*



*Ion Exchange*



*8" Filter Columns*



*Tonka Crated Equipment*

Tonka's pilot trailer requires a power supply and 10-gpm raw water supply.  
Please contact your Tonka representative to schedule a pilot study.



# TONKA EQUIPMENT COMPANY

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