3-D AMD Passive Treatment Systems and 3-D Underground Mine Pool Models: Creative Public Education Tools

Robert Hughes
EPCAMR Regional Coordinator

Michael Hewitt
EPCAMR Watershed Outreach Coordinator
3-D Mine Pool Model Model
Side Views of the 3-D Mine Pool Model
Zoom In Views of the 3-D Mine Pool Model
3-D Mine Pool Model:
Underground Mining Schematics

Schematics are compliments of OSM
Schematics are compliments of OSM

3-D Mine Pool Model Underground Mining Schematics
3-D Mine Pool Model Under Construction
Materials for the 3-D Mine Pool Model:

4X8 Plywood (1)
1” Pine Boards (3)
Nails & Screws
Nuts & Bolts
Sheetrock Corner Reinforcement
Plexy Glass
Wire & Chicken Wire
Fountain Pumps (2)
1/2” & 3/4”Tube (~10’ each)
Connectors and T’s for Plumbing
Stop Valves (3)
Metal Strapping
Plaster (16lb)
Tupperware Dishes (2)
N-scale Decorations from the Train Shop
Silicon Caulk
Spray Adhesive
Acrylic & Spray Paint
3-D AMD Passive Treatment Systems Model
Zoom In Views of the Open Limestone Channel and Limestone Sand Dosing
Zoom In Views of the Breaker and Aerobic Wetland
Zoom In Views of the Diversion Well
3-D Passive Treatment Systems Model
Under Construction
Materials for the 3-D Passive Treatment Systems Model:

- 4X8 Plywood (1)
- 1” Pine Boards (3)
- Nails & Screws
- Plexy Glass
- Wire & Chicken Wire
- Fountain Pump
- 1/2” Tube (~10’)
- Connectors and T’s for Plumbing
- Plaster (8lb)
- Tupperware Dish
- HO-scale Decorations from the Train Shop
- Silicon Caulk
- Spray Adhesive
- Acrylic & Spray Paint