Factory Water System Diagram
Ranson, West Virginia

LEGEND
- **JEFFERSON UTILITIES INC. (JUI) WATER SUPPLY**
- WATER SOFTENING/REVERSE OSMOSIS TREATMENT PLANT
- RAINWATER COLLECTION PONDS
- CLOSED LOOP PRODUCTION SYSTEM
- RAINWATER FROM PARKING LOTS, ROOFS AND OUTSIDE PAVED AREAS
- STAFF AMENITIES (TOILETS, SINKS, AND SHOWERS)
- WATER DISCHARGED FROM THE WATER TREATMENT PROCESS AND STAFF AMENITIES IS SENT TO THE CHARLES TOWN WASTEWATER TREATMENT PLANT.
- WATER SUPPLY FROM JEFFERSON UTILITIES INC. (JUI) IS EITHER ROUTED DIRECTLY TO THE CAFETERIA, SHOWERS AND TOILETS, OR FLOWS INTO THE INSULATION PRODUCTION PROCESS. THAT PROCESS IS A CLOSED LOOP PRODUCTION SYSTEM.
- WATER FROM THE RAINWATER COLLECTION PONDS PROVIDES ADDITIONAL WATER SUPPLY FOR THE PRODUCTION PROCESS.
- RAINWATER IS COLLECTED FROM ROOFS, PARKING AREAS, AND OUTSIDE PAVED AREAS BEFORE BEING PIPED TO A RAINWATER COLLECTION POND AND REUSED AS A SOURCE FOR PRODUCTION, OR DISTRIBUTED TO A CONTROLLED OVERFLOW AREA.
- SEWER LINE INCLUDES SANITARY DISCHARGE FROM STAFF AMENITIES AND DISCHARGE FROM THE WATER TREATMENT PLANT.