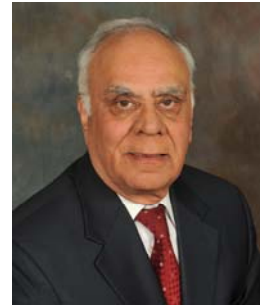


Naeem Qureshi, P.E.



Project Principal

Education

Master of Science in Civil Engineering,
University of Minnesota, 1985

Bachelor of Science in Civil Engineering,
1966

Professional Organizations

Member - American Water Works
Association (AWWA)

Past Member - Coagulation and Filtration
Committee, AWWA, involved in publication
of "Precoat Filtration" and "Operational
Control of Coagulation and Filtration
Process" Manuals

Member - Program and Education
Committee AWWA, Minnesota Section

Current Registration

Minnesota, Wisconsin

Awards

L. N. Thompson Award
Minnesota Section AWWA, Sept. 2008

Gimmek and Gadget Award
Minnesota Section AWWA, 1996

Career Profile

1985 – Present
Principal
Progressive Consulting Engineers, Inc.

1976 – 1985
Engineer
Minneapolis Water Works

1973 – 1976
Engineer
Isrealson & Associates

1967 – 1976
General Advisory Service

Mr. Qureshi has over 44 years of experience in well, storage, booster station, and water treatment plant (WTP) design, water distribution analysis and design, water quality, and water and sewer rate studies. Mr. Qureshi has over 9 years of experience with Minneapolis Water Works. He has worked on over two hundred (200) projects in the water supply area. Projects include water quality, WTP design, water system analysis, operational review of water plants, storage, pumping stations, and well design.

Operational Reviews

1. WTP, Alexandria, MN
2. WTP, Anoka, MN
3. WTP, Bagley, MN
4. WTP, Blooming Prairie, MN
5. WTP, Brainerd, MN
6. WTP, Brooklyn Park, MN
7. WTP, Buffalo, MN
8. WTP, Chaska, MN
9. WTP, Duluth, MN
10. WTP, East Grand Forks, MN
11. WTP, Eden Prairie, MN
12. WTP, Edina, MN
13. WTP Fergus Falls, MN
14. Cooling Water Reinjection System, General Mills, Minneapolis, MN
15. WTP, Grand Rapids, MN
16. WTP, International Falls, MN
17. WTP, Inver Grove Heights, MN
18. WTP, Lambertson, MN
19. WTP, Litchfield, MN
20. WTP, Maple Grove, MN
21. WTP, Milaca, MN
22. Process/Treatment Minneapolis Water Works, Minneapolis, MN
23. WTP, Minnetonka
24. WTP, New Ulm, MN
25. WTP, Redwood Falls, MN
26. WTP, Robbinsdale, MN
27. WTP, Staples, MN
28. Spent Lime Supernatant System, St. Paul, MN
29. Caddis Fly Infestation Study, St. Paul, MN
30. WTP, Imation Co., Middleway, WV
31. WTP, White Bear Lake, MN

Water System Studies

- Water Distribution System Analysis, Anoka, MN
- Comprehensive Water System Plan, Blaine, MN
- Water System Study Review, Brooklyn Center, MN
- Comprehensive Water System Study, Brooklyn Park, MN
- Comprehensive Water System Plan, Buffalo, MN
- Distribution System Analysis, Cloquet, MN
- Water System Analysis, Columbia Heights, MN
- Water Distribution System Analysis, Faribault, MN
- Water System Study, Hopkins, MN
- Water Distribution System Analysis, Hilltop, MN
- Water Distribution System Analysis, Grand Rapids, MN
- Water Distribution System Analysis, Hibbing, MN

- Comprehensive Water Plan Update, Inver Grove Heights, MN
- Comprehensive Water Plan Update, Lakeville, MN
- Water Distribution System Analysis, Maplewood, MN
- Alternate Water Source Study, Minneapolis, MN
- Minneapolis Water System Analysis, Minneapolis, MN
- Comprehensive Water System Plan, Melrose, MN
- Water Distribution System Analysis, Northfield, MN
- Comprehensive Water System Plan Update, Oakdale, MN
- Comprehensive Water System Plan, Owatonna, MN
- Comprehensive Water System Plan, Princeton, MN
- Comprehensive Water Plan Update, Red Wing, MN
- Water Distribution System Analysis, Robbinsdale, MN
- Water Distribution System Modeling, Rochester Public Utilities
- Comprehensive Water System Plan, Rogers, MN
- Comprehensive Water System Plan, Shakopee, MN
- Water Distribution System Analysis, Shoreview, MN
- Water Distribution System Analysis, St. Louis Park, MN
- Water Distribution System Analysis, Superior, WI
- Water System Repair, 934th Air Force Base/Benham, Minneapolis, MN
- Crab Orchard Water System, U.S. Fish & Wildlife Service, Marion, IL

Well/Pump/Pump Station Projects

- Well Rehabilitation 2001 Project, Coon Rapids, MN – Rehabilitate Wells 11, 14, 16, and 17 (Four Wells)
- Well Rehabilitation 2002 Project, Coon Rapids, MN – Rehabilitate Wells 19, 20, 22, 23 and East Booster Station
- Well Rehabilitation 2003 Project, Coon Rapids, MN – Rehabilitate Wells 8, 9, 10, 13, and West Booster Station (Four Wells)
- Well Rehabilitation 2004 Project, Coon Rapids, MN – Rehabilitate Wells 7, 12, 18, and 21 (Four Wells)
- Well Rehabilitation 2005 Project, Coon Rapids, MN – Rehabilitate Wells 1, 2, 4, 5, 6, and East Booster Station (Five Wells)
- Well No. 8 (1,000 gpm), Rogers, MN
- Well No. 20 (1,200 gpm), Edina, MN
- Well (500 gpm) and Wellhouse, Anoka Hennepin School District
- Well (1,500 gpm) and Wellhouse No. 9, Oakdale, MN
- Wells No. 35, 36, 37, 38, and 39 (1,000 gpm/ea.), Rochester, MN
- Well No. 7 (500 gpm), Prior Lake, MN
- Well No. 8 (1,500 gpm), Anoka, MN
- Well No. 6 (1,000 gpm), Buffalo, MN
- Pump and Well No. 7 (700 gpm) and Pumphouse, Princeton, MN
- Well No. 9 (2,200 gpm), Melrose, MN
- Pump and Well No. 8 (1,000 gpm) and Pumphouse, Melrose, MN
- Pump and Well No. 8 (1,000 gpm) and Pumphouse, Oakdale, MN
- Booster Station, Northfield, MN
- Kenwood Pump Station (5,000 gpm), Minneapolis, MN
- Pump Station (4,200 gpm), Grand Rapids, MN
- Pump Station (1,200 gpm), Northfield, MN
- Pump Station (1,200 gpm), Red Wing, MN
- Genoa (5,000 gpm) Pump Station, Genoa, WI
- Pump Station No. 9 (48,000 gpm), Minneapolis Water Works, MN
- Lagoon Overflow Treatment (1.2 MGD) Pump Station, Minneapolis Water Works, MN
- Calvary Hill Booster Station (4,000 gpm), St. Cloud, MN
- Pump Station No. 8, Minneapolis Water Works, Columbia Heights, MN
- Supernatant (500 gpm) Pump Station, St. Paul Water Utility, St. Paul, MN

Watermain

- Design of 1,000' of 20" watermain connection to new tower, Cloquet, MN
- Design of 3,000' of 16" watermain connection to new wells, Melrose, MN
- Design of 3,400' of 12" watermain connection to new tower, Grand Rapids, MN
- Design of 3,600' of 12" and 16" watermain in connection with T.H. 610, Brooklyn Park, MN
- Design of 5,000' of 10" and 12" watermain, Tomah, WI
- Design of 7,800' of 12" watermain, Cloquet, MN
- Design of 25,000' of 6" through 16" watermain, Prior Lake, MN
- I-494 Design-Build Project Relocation Design For Utilities
- Design Watermains 934th Air Lift Wing, USAR, Minneapolis, MN

Water Rate/Cost of Service Studies

- Rate and Sewer Rate Study, Becker, MN
- Cost of Service to Bloomington Study, Minneapolis, MN
- Water and Sewer Rate Study, Brooklyn Center, MN
- Water Rate Study, Brooklyn Park, MN
- Water Rate Study, Blaine, MN
- Water and Sewer Rate Study, Cloquet, MN
- Cost of Service to Superior, WI, Cloquet, MN
- Water and Sewer Rate Study, Dayton, MN
- Water Rate Study, Edina, MN
- Water and Sewer Rate Study, Fridley, MN
- Water and Sewer Rate Study, Grand Rapids, MN
- Cost of Service to LaPrairie, Grand Rapids, MN
- Water Rate Study, Hastings, MN
- Water and Sewer Rate Study, Hermantown, MN
- Water Rate Study, Litchfield, MN
- Water Rate Study, Minneapolis Water Works, Minneapolis, MN
- Cost of Service to Landfall Study, Oakdale, MN
- Water Rate Study, Rochester, MN
- Water Rate Study, Shakopee, MN
- Water and Sewer Rate Study, St. Cloud, MN
- Water and Sewer Rate Study, Zimmerman, MN

Storage

- 3.0 million gallon ground storage, Brooklyn Park, MN
- 1.0 million gallon elevated storage, Cloquet, MN
- 1.0 million gallon elevated storage, Hibbing, MN
- 500,000 gallon elevated storage, Grand Rapids, MN
- 10 million gallon ground storage, Minneapolis, MN
- 2.0 million gallon ground storage, Ramsey, MN
- 500,000 gallon ground storage, Redwood Falls, MN
- 1.0 million gallon elevated storage, St. Cloud, MN
- 2.0 million gallon ground storage, St. Cloud, MN
- (2) 2.5 million gallon storage tanks, Shakopee, MN

Water Treatment Plant Feasibility Studies

- City of Edina, MN
- City of Hermantown, MN
- City of Inver Grove Heights, MN
- City of Milaca, MN
- City of Redwood Falls, MN
- City of Staples, MN
- City of Winona, MN
- 3m Company, Cordova, IL

Water Treatment Plant Design

- Water Treatment Plant No. 4(2,000 gpm), Anoka, MN
- Water Treatment Plant No. 6 (1,500 gpm), Anoka, MN
- Water Treatment Plant No. 1 (2,000 gpm), Blaine, MN
- Water Treatment Plant No. 2 (5,500 gpm). Blaine, MN
- Water Treatment Plant No. 3 (2,000 gpm), Blaine, MN
- Water Treatment Plant Exp. (7.000 gpm), Brooklyn Park, MN
- Regent Ave. Plant Improve (7,000 gpm), Brooklyn Park, MN
- Reconstruction Filter, Columbia Heights, MN
- Wooddale Water Treatment Plant (1,000 gpm), Edina, MN
- Water Treatment Plant No. 2 (2,000 gpm), Edina, MN
- Water Plant No. 3, (2,000 gpm), Edina, MN
- Water Treatment Plant No. 4 (2,000 gpm), Edina, MN
- Reconstruct Filters (Cost \$1.0 Million), Fridley, MN
- Misc. Filtration Plant Improve. (Cost \$0.2 Million), Fridley, MN
- Water Treatment Plant No. 1 (900 gpm), Goodview, MN
- Water Treatment Plant NO. 2 (700 gpm), Goodview, MN
- Preliminary Design, CIP, Hopkins, MN
- Water Treatment Plant Design (2,850 gpm), Isanti, MN
- Water Treatment Plant (7,000 gpm), Lakeville, MN
- Lagoon Overflow Treatment (1,200 gpm), Minneapolis, MN
- Water Treatment Plant No. 1 (700 gpm), Princeton, MN
- Water Treatment Plant No. 1 (2,000 gpm), Robbinsdale, MN
- Water Treatment Plant No. 2 (2,000 gpm), Robbinsdale, MN
- Water Treatment Plant No. 3 (1,000 gpm), Robbinsdale, MN
- Lime Softening Plant (500 gpm), Staples, MN
- Water Treatment Plant No. 4 & Vinyl Chloride, St. Louis Park, MN
- Water Treatment Plant No. 8, St. Louis Park, MN
- Water Treatment Plant No. 16 (1,600 gpm), St. Louis Park, MN
- Water Treatment Plant (500 gpm), Fed. Correctional Inst., Sandstone, MN

Technical Papers

- "Phased Approach to Water System Modeling Poster Session, 2011 AWWA Conference, Washington, D.C.
- "Small City Tackles Radium in Well Water", Opflow AWWA Publication, January 2011.
- "Water Sustainability Through Conservation", Minnesota Rural Water Association, Winter 2010.
- "Reduce Vinyl Chloride Levels", Opflow AWWA Publication, February 2010.
- "Getting The Most of the Filters", AWWA Annual Conference in San Diego, CA on June 2009.
- "Chlorine Gas vs. Sodium Hypochlorite: What's the Best Option?" Opflow AWWA Publication, July 2008.
- "Air-Stripping Provides a Cost-Effective Solution for VOC Removal", Opflow, AWWA Publication, March 2007.
- "Operator Involvement In Plant Design", AWWA Annual Conference, San Antonio, Texas, June, 2006.
- "Radium Removal by HMO and Manganese Greensand" Journal AWWA, March 2003.
- "Radium Removal in Drinking Water" AWWA Minnesota Section 1999 Annual Conference
- "Treatment Processes" AWWA Minnesota Section 1998 Annual Conference
- "Minnesota Water Plant Meets Design Capacity", Public Works, June, 1996
- "Energy Act Spurs Use of More Efficient Fixtures", Water Engineering and Management, September 1995
- "A Study of Copper Corrosion Control Strategies", Public Works, October 1994.
- "Water Rates Issues", AWWA Minnesota Section 1994 Annual Conference.
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- "Pilot Study Points Way to Iron/Manganese Removal", Water Engineering and Management, February 1994.
- "Water Rates" AWWA North Central Section (NCS), 1989 Annual Conference
- "Water Filtration" Joint meeting of N.D. Water Pollution Control Federation, N.D. APWA and N.D. Water Pollution Control Assoc., October 1986
- "Reducing Aluminum Residuals in Finished Water", Journal AWWA (JAWWA) - October 1985
- "Rate Making" AWWA NCS 1985 Annual Conference.
- "Alum vs. Ferric Salts for Chemical Coagulation" Water Operators School, Duluth, MN, May 9, 1985
- "Water Filtration" Advance Water Operators School, Bloomington, MN, April 1984
- "Orifice Plate a Low Cost Reducer" American City and County, July 1983
- "The Effect of Backwash Rate on Filter Performance" JAWWA September 1982
- "Alum vs. Ferric Chloride" AWWA NCS 1984 Annual Conference, Bloomington, MN
- "Comparative Performance of Dual & Mixed Media", JAWWA, May 1981
- "Conversion of Sand Filters to Mixed Media Filters", AWWA North Central Section, 1979 Annual Conference, St. Cloud, MN.