Edward W. Podczerwinski, P.E.

Wastewater Industry Knowledge

Over 25 years experience in civil, environmental and process engineering; functions as a specialist developing and applying advanced engineering concepts to specific problems; applies techniques and modern engineering tools to identify, formulate, and solve engineering and research problems; budgeting and scheduling; regulations and permitting; project planning and project management.

Evnerience	Key Projecto
Experience	Key Projects
Acting Director of Monitoring and Research Department (since May 2017)	MWRD Regulatory & District Initiative Planning, Biosolids Master Planning, and Odor Master Planning
	Disinfection Facilities, O'Brien Water Reclamation Plant, 11-054-3P
- Direct the focus of work and allocation of	Disinfection Facilities Calumet Water Reclamation Plant 11-241-3P
with a \$30 million budget	Disinfaction Tasknalogy Evolution & Decommondation for the Columnt and
 Review and approve all research projects and the reports they generate 	O'Brien Water Reclamation Plants (Disinfection Task Force)
 Responsible for timely transmittal of 	Battery 'E' at the O'Brien WRP, 06-020-2P
accurate data resulting from process and	Primary Settling Tanks & Grit Removal Facilities, Calumet WRP, 07-220-3P
environmental monitoring programs to meet operating permit and regulatory	New Preliminary Treatment Facilities at Stickney & Calumet Water Reclamation Plants 04-823-3P
 Direct administration of resource recovery, 	Development of closefthm for TADD Volume Coloulations 07 254 2E
industrial pretreatment, user charge and	Development of algorithm for TARP volume Calculations, 97-234-2E
other ordinances and resolve technical	South Aeration Battery Air Piping, Egan WRP, 01-474-2P
Issues - Develop implement and maintain a long-	RAS Flow Improvements in Battery B, Stickney WRP, 01-102-2P
term process facility capital planning	Replacement of Diffuser Piping, Stickney WRP, 96-117-2P
process Provide and approve planning technical	Water Main System Upgrades at Stickney WRP, 97-155-2P
studies and reports to evaluate process	RAS Flow Improvements in Battery A, Stickney WRP, 96-120-2P
and/or equipment feasibility and the	Lining & Deepening of Lagoon 30, Stickney WRP, 96-130-2P
District facilities and procedures	Lining & Deepening of Lagoon 27 & Desilting Basin, Stickney WRP, 96-127-2P
Other District Positions Held (August 1997 to	Publications and Presentations
April 2015):	F. Podczerwinski, Water-Energy Nexus, International Mechanical Engineering
- Deputy Director, Monitoring and Research	Congress and Exposition, Houston, Texas, November 2015
- Managing Civil Engineer, Environmental	E. Podczerwinski, Grabowy, J., Developing a Long-Term Capital Improvement
Monitoring & Research Division Principal Civil Engineer, Plant Design	Transparent and Objective Approach. MWRD Monitoring & Research
Management, Engineering	Department Seminar, May 2015
- Senior Civil Engineer, Process Design	E. Podczerwinski, Busza, B., Salabaj, D., Swaim, P., Lachcik, T., Baxter, D.
- CAD Manager, Process Facilities Division	"Big Disinfection" in Chicago: The Fast-Track Design of 480-MGD Disinfection
 Associate Civil Engineer, Process Design Assistant Civil Engineer, Process Design 	Facilities for the Calumet WRP, WEFTEC 2013
Project Engineer PECO & Associates, Inc. Chicago, Illinois (July 1003	E. Podczerwinski, Brosius, E., Kerrigan, J., Gorgan, J. <i>Rejuvenating the Chicago</i> <i>River: Innovative Design Considerations for New Ultraviolet Disinfection</i> <i>Facilities</i> , WEFTEC 2013
to August 1997)	E. Podczerwinski. <i>Computer Modeling to Support Process Design at the District.</i> <i>MWRD</i> Monitoring & Research Department Seminar November 2011
Design Engineer PECO & Associates Inc. Chiagon Illinois (Inc. 1001)	E. Podczerwinski, Celava, B., Iehl, R. Sustainable Design at the Calumet Water
to August 1992)	Reclamation Plant. WEFTEC 2009
Education	E. Podczerwinski, Compton, E., Celaya, B., and Iehl, R. <i>A European Approach</i> to Grit Removal. Article in Water Environment & Technology Magazine, July 2009
MS, Structural Engineering Warsaw University of Technology, Warsaw, Poland	E. Podczerwinski, Brosius, E., Weber, T., Garcia, Liu, M. X., Brunner, C., Cockerill, E. CFD Modeling Optimizes the Design of Primary Settling Tanks at
BS, Civil Engineering Warsaw University of Technology, Warsaw, Poland	MWRDGC's Calumet Water Reclamation Plant. WEFTEC 2008 E. Podczerwinski, Iehl, R., and Sveum, K. Innovative Ideas in the Design of
Registration and Associations	Preliminary/Primary Treatment at Calumet WRP. IWEA Conference, 2008
	E. Podczerwinski. Master Plans for Stickney, Calumet and North Side Water Reclamation Plants. The American Council of Engineering Companies of
Licensed Professional Engineer (PE), States of Illinois and Wisconsin	Illinois Fall Government Affairs, 2007
Water Environment Federation	E. Podczerwinski and Kunetz, T. Rehabilitation of a 12-Inch Cast Iron Water
National Association of Clean Water Agencies	Main Requires a Variety of Trenchless Technology Methods. IWEA 2001