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Autore	Berberian, Sterling K.
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2. Record Nr.	UNINA9910796199603321
Autore	Brett Michael T.
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Nota di contenuto	""Cover""; ""Copyright""; ""Acknowledgments""; ""Abstract and Benefits""; ""Table of Contents""; ""List of Tables""; ""List of Figures""; ""List of Acronyms and Abbreviations""; ""Executive Summary""; ""Chapter 1.0: Introduction""; ""1.1 Introduction""; ""1.2 Objectives""; ""Chapter 2.0: Materials and Methods""; ""2.1 Plant Information""; ""2.2 Sampling""; ""2.2.1 Sample Collection""; ""2.2.2 Sample Characterization""; ""2.3 QA/QC""; ""2.3.1 Quality Control Procedures""; ""2.3.2 Quality Assessment Procedures""; ""Chapter 3.0: Impact of Filter Size and Autoclaving"" ""3.1 Comparison of Filter Size""""3.2 Comparison of Autoclaved and Filtered BAP""; ""Chapter 4.0: P Speciation and BAP in EBPR Effluents with No Chemical Addition""; ""4.1 Introduction""; ""4.2 Results""; ""4.2.1 Coeur d'Alene - Membrane Bioreactor (CDA-MBR)""; ""4.2.2 North Durham Water Reclamation Facility (NDWRF)""; ""4.2.3 Snoqualmie Wastewater Reclamation Facility (SWRF)""; ""4.3 Discussion""; ""Chapter 5.0: P Speciation and BAP in MBR Effluents with Chemical Addition""; ""5.1 Introduction""; ""5.2 Results""; ""5.2.1 Broad Run Water Reclamation Facility (BRWRF)"" ""5.2.2 Ruidoso Village Regional Wastewater Treatment Plant (RVRWTP)""""5.3 Discussion""; ""Chapter 6.0: P Speciation and BAP in

Single-Stage Tertiary Effluents with Chemical Addition"; ""6.1 Introduction"; ""6.2 Results"; ""6.2.1 South Durham Water Reclamation Facility (SDWRF)"; ""6.2.2 Coeur d'Alene-Tertiary Membrane Filter (CDA-TMF)"; ""6.2.3 Metropolitan Syracuse Wastewater Treatment Plant (MSWTP)"; ""6.2.4 Blue Plains Advanced Wastewater Treatment Plant (BPAWTP)"; ""6.2.5 Hayden First-Stage BlueWater PRO® Effluent (HWRF-1st BW)""
""6.2.6 City of Las Vegas Water Pollution Control Facility (LVWPCF)""
6.3 Comparisons"; ""Chapter 7.0: P Speciation and BAP in Dual-Stage Tertiary Effluents with Chemical Addition"; ""7.1 Introduction"; ""7.2 Dual-Stage Filtration Process"; ""7.2.1 Rock Creek Wastewater Treatment Plant (RCWTP)"; ""7.2.2 Durham Advanced Wastewater Treatment Plant (DAWTP)"; ""7.2.3 Iowa Hill Wastewater Treatment Plant (IHWTP)"; ""7.2.4 Coeur d'Alene-Blue PRO® (CDA-CUMF)"; ""7.2.5 Hayden Second-Stage BlueWater PRO® Effluent (HWRF-2nd BW)"";
""7.2.6 Farmers Korner Wastewater Treatment Plant (FKWTP)""
""7.3 Discussion""""Chapter 8.0: Impact of Advanced P Removal Process"; ""8.1 Impact of Different P Removal Processes"; ""8.2 Impact of Chemical Addition"; ""Chapter 9.0: Comparison of Chemical Analysis and Bioassay Outcomes"; ""9.1 Introduction"; ""9.2 Results"; ""9.2.1 tBAP vs. TP and TRP""; ""9.2.2 sBAP vs. SP and SRP""; ""Chapter 10.0: Bioavailability of Different P Species""; ""10.1 Introduction""; ""10.2 Materials and Methods""; ""10.3 Results""; ""10.3.1 Inorganic P Compounds""; ""10.3.2 Organic P compounds""; ""10.3.3 Humic Substances""; ""10.3.4 SP Uptake Rate Experiments""
""10.4 Discussion""
