

DMR Copy of Record

Permit					
Permit #:	CO0032999	Permittee:	Littleton/Englewood Cities of	Facility:	LITTLETON/ENGLEWOOD, CITIES OF
Major:	Yes	Permittee Address:	2900 S Platte Rver Dr Englewood, CO 80110	Facility Location:	2900 SOUTH PLATTE RIVER DR ENGLEWOOD, CO 80110
Permitted Feature:	001 External Outfall	Discharge:	001-A Discharge to S Platte River <34 MGD		

Report Dates & Status					
Monitoring Period:	From 06/01/16 to 06/30/16	DMR Due Date:	07/28/16	Status:	NetDMR Validated

Considerations for Form Completion
 Oil and grease - see I.A.1, pg 2. If no chlorine was used, report "NCT" (no chlorine treatment). Antidegradation limits - see I.C.1, pg 19. Report influent samples on DMR marked 300I.

Principal Executive Officer					
First Name:		Title:		Telephone:	
Last Name:					

No Data Indicator (NODI)
 Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type			
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3				Value 3	Units	
00010	Temperature, water deg. centigrade	1 - Effluent Gross	0	--	Sample						=	20.4		=	21.2	04 - deg C	99/99 - Continuous	RC - Recorder (auto)		
					Permit Req.															
					Value NODI															
00154	Sulfate [as S]	1 - Effluent Gross	0	--	Sample						=	173				19 - mg/L	01/01 - Daily	CP - COMPOS		
					Permit Req.															
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.2		=	7.3	12 - SU	05/WK - Five Per Week	GR - GRAB		
					Permit Req.						>=	6.5 MINIMUM		<=	9 MAXIMUM	12 - SU	05/WK - Five Per Week	GR - GRAB		
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample						=	2		=	2	19 - mg/L	01/01 - Daily	CP - COMPOS		
					Permit Req.							<=	30 30DA AVG		<=	45 MX 7D AV	19 - mg/L	02/07 - Twice Every Week	CP - COMPOS	
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	6	--	Sample						=	1.3		=	1.5	19 - mg/L	01/01 - Daily	CP - COMPOS		
					Permit Req.							<=	5.9 30DA AVG		<=	29 DAILY MX	19 - mg/L	01/01 - Daily	CP - COMPOS	
					Value NODI															
00615	Nitrogen, nitrite total [as N]	1 - Effluent Gross	0	--	Sample									=	0.25	19 - mg/L	01/01 - Daily	CP - COMPOS		
					Permit Req.															
					Value NODI															
00620	Nitrogen, nitrate total [as N]	1 - Effluent Gross	0	--	Sample									=	21.4	19 - mg/L	01/01 - Daily	CP - COMPOS		
					Permit Req.															
					Value NODI															
00640	Nitrogen, inorganic total	1 - Effluent Gross	6	--	Sample			=	4449	26 - lb/d				=	22.9	19 - mg/L	01/01 - Daily	CP - COMPOS		
					Permit Req.			<=	13631 DAILY MX	26 - lb/d			<=	47.9 DAILY MX	19 - mg/L	01/01 - Daily	CP - COMPOS			
					Value NODI															
00718	Cyanide, weak acid, dissociable	1 - Effluent Gross	0	--	Sample									<=	6.2 DAILY MX	28 - ug/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.															
					Value NODI															
01046	Iron, dissolved [as Fe]	1 - Effluent Gross	0	--	Sample						=	68				28 - ug/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.							<=	300 30DA AVG							
					Value NODI															
					Sample						=	2.4		=	2.82	28 - ug/L	01/07 - Weekly	CP - COMPOS		

01323	Selenium, potentially dissolved	1 - Effluent Gross	0	--	Permit Req.						<=	4.6 30DA AVG		Req Mon DAILY MX		28 - ug/L	0	02/30 - Twice Per Month	CP - COMPOS		
					Value NODI																
					Sample						=	2.01				28 - ug/L		02/30 - Twice Per Month	CP - COMPOS		
01323	Selenium, potentially dissolved	P - See Comments	0	--	Permit Req.									Req Mon ROLL AVG		28 - ug/L		02/30 - Twice Per Month	CP - COMPOS		
					Value NODI																
					Sample																
03582	Oil and grease	1 - Effluent Gross	0	--	Permit Req.									<=	10 INST MAX		19 - mg/L		77/77 - Contingent	GR - GRAB	
					Value NODI										9 - Conditional Monitoring - Not Required This Period						
					Sample						=	12.6				28 - ug/L		01/07 - Weekly	CP - COMPOS		
22708	Uranium, natural, total	1 - Effluent Gross	0	--	Permit Req.										Req Mon DAILY MX		28 - ug/L		01/07 - Weekly	CP - COMPOS	
					Value NODI																
					Sample						=	9.58				28 - ug/L		02/30 - Twice Per Month	CP - COMPOS		
22708	Uranium, natural, total	P - See Comments	0	--	Permit Req.										Req Mon ROLL AVG		28 - ug/L		02/30 - Twice Per Month	CP - COMPOS	
					Value NODI																
					Sample						=	2		=	3		13 - #/100mL		01/01 - Daily	GR - GRAB	
31633	E. coli, thermotol, MF, MTEC	1 - Effluent Gross	0	--	Permit Req.						<=	126 30DA GM		<=	252 MX 7D GM		13 - #/100mL	0	01/01 - Daily	GR - GRAB	
					Value NODI																
					Sample	=	23.1	=	24.2				03 - MGD						99/99 - Continuous	RC - Recorder (auto)	
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Permit Req.	<=	34 30DA AVG		Req Mon DAILY MX				03 - MGD					0	99/99 - Continuous	RC - Recorder (auto)	
					Value NODI																
					Sample																
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Permit Req.						<=	.0027 30DA AVG		<=	.024 INST MAX		19 - mg/L		05/WK - Five Per Week	GR - GRAB	
					Value NODI							B - Below Detection Limit/No Detection			B - Below Detection Limit/No Detection						
					Sample						=	2			=	2		19 - mg/L		01/01 - Daily	CP - COMPOS
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Permit Req.						<=	20 30DA AVG		<=	30 MX 7D AV		19 - mg/L	0	02/07 - Twice Every Week	CP - COMPOS	
					Value NODI																
					Sample						=	98.8					23 - %		01/01 - Daily	CA - CALCTD	
80358	BOD, carbonaceous, percent removal	K - Percent Removal	0	--	Permit Req.						>=	85 MO AV MN				23 - %	0	02/07 - Twice Every Week	CA - CALCTD		
					Value NODI																
					Sample						=	98.8					23 - %		01/01 - Daily	CA - CALCTD	
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Permit Req.						>=	85 MO AV MN				23 - %	0	02/07 - Twice Every Week	CA - CALCTD		
					Value NODI																
					Sample			=	0				9P - N=0;Y=1						05/WK - Five Per Week	VI - VISUAL	
84066	Oil and grease visual	1 - Effluent Gross	0	--	Permit Req.							Req Mon INST MAX							02/07 - Twice Every Week	VI - VISUAL	
					Value NODI																

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
CO0032999_Lab_2016_6.pdf	pdf	21141

Report Last Saved By
Littleton/Englewood Cities of

User: dwstowe

Date/Time:

2016-07-26 15:23 (Time Zone: -06:00)

Name: Dennis Stowe

DMR Copy of Record

Permit					
Permit #:	CO0032999	Permittee:	Littleton/Englewood Cities of	Facility:	LITTLETON/ENGLEWOOD, CITIES OF
Major:	Yes	Permittee Address:	2900 S Platte Rver Dr Englewood, CO 80110	Facility Location:	2900 SOUTH PLATTE RIVER DR ENGLEWOOD, CO 80110
Permitted Feature:	001 External Outfall	Discharge:	001-AX Chronic WET Testing for 001A		

Report Dates & Status					
Monitoring Period:	From 04/01/16 to 06/30/16	DMR Due Date:	07/28/16	Status:	NetDMR Validated

Considerations for Form Completion
 Rpt lowest % at which statistically signif diff in lethality control (LOEC) & any concentration less than of equal to the IWC using test code "S". Rpt IC25 using test code "P". Use test code "T" to report highest % lethality reported for IC25 and stat signif diff for ceriodaphnia & pimephales.

Principal Executive Officer					
First Name:		Title:		Telephone:	
Last Name:					

No Data Indicator (NODI)
 Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type	
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3				Value 3
61426	Toxicity [chronic], Ceriodaphnia dubia	P - See Comments	0	--	Sample					>	100					2G - tox chronic	01/90 - Quarterly	03 - COMP-3
					Permit Req.						Req Mon SINGSAMP					2G - tox chronic	01/90 - Quarterly	03 - COMP-3
					Value NODI													
61426	Toxicity [chronic], Ceriodaphnia dubia	S - See Comments	0	--	Sample					>	100					2G - tox chronic	01/90 - Quarterly	03 - COMP-3
					Permit Req.						Req Mon SINGSAMP					2G - tox chronic	01/90 - Quarterly	03 - COMP-3
					Value NODI													
61428	Toxicity [chronic], Pimephales promelas [Fathead Minnow]	P - See Comments	0	--	Sample					>	100					2G - tox chronic	01/90 - Quarterly	03 - COMP-3
					Permit Req.						Req Mon SINGSAMP					2G - tox chronic	01/90 - Quarterly	03 - COMP-3
					Value NODI													
61428	Toxicity [chronic], Pimephales promelas [Fathead Minnow]	S - See Comments	0	--	Sample					>	100					2G - tox chronic	01/90 - Quarterly	03 - COMP-3
					Permit Req.						Req Mon SINGSAMP					2G - tox chronic	01/90 - Quarterly	03 - COMP-3
					Value NODI													
TCP3B	%Effect Static Renewal 7 Day Chronic Ceriodaphnia dubia	P - See Comments	0	--	Sample					>	100					23 - %	01/90 - Quarterly	03 - COMP-3
					Permit Req.						Req Mon SINGSAMP					23 - %	01/90 - Quarterly	03 - COMP-3
					Value NODI													
TCP3B	%Effect Static Renewal 7 Day Chronic Ceriodaphnia dubia	S - See Comments	0	--	Sample					>	100					23 - %	01/90 - Quarterly	03 - COMP-3
					Permit Req.						Req Mon MN VALUE					23 - %	01/90 - Quarterly	03 - COMP-3
					Value NODI													
TCP3B	%Effect Static Renewal 7 Day Chronic Ceriodaphnia dubia	T - See Comments	2	--	Sample					>	100					23 - %	01/90 - Quarterly	03 - COMP-3
					Permit Req.						Req Mon MN VALUE					23 - %	01/90 - Quarterly	03 - COMP-3
					Value NODI						>=	67 MN VALUE				0		
TCP6C	%Effect Statre 7Day Chronic Pimephales	P - See Comments	0	--	Sample					>	100					23 - %	01/90 - Quarterly	03 - COMP-3
					Permit Req.						Req Mon SINGSAMP					23 - %	01/90 - Quarterly	03 - COMP-3
					Value NODI													
TCP6C	%Effect Statre 7Day Chronic Pimephales	S - See Comments	0	--	Sample					>	100					23 - %	01/90 - Quarterly	03 - COMP-3
					Permit Req.						Req Mon MN VALUE					23 - %	01/90 - Quarterly	03 - COMP-3
					Value NODI													
TCP6C	%Effect Statre 7Day Chronic Pimephales	T - See Comments	2	--	Sample					>	100					23 - %	01/90 - Quarterly	03 - COMP-3
					Permit Req.						Req Mon MN VALUE					23 - %	01/90 - Quarterly	03 - COMP-3
					Value NODI						>=	67 MN VALUE				0		

Submission Note
 If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors
 No errors.

Comments

Attachments		
Name	Type	Size
CO0032999_WET_2016_02Q.pdf	pdf	116930

Report Last Saved By
 Littleton/Englewood Cities of

User: dwstowe | Date/Time: 2016-07-26 15:24 (Time Zone: -06:00)

DMR Copy of Record

Permit					
Permit #:	CO0032999	Permittee:	Littleton/Englewood Cities of	Facility:	LITTLETON/ENGLEWOOD, CITIES OF
Major:	Yes	Permittee Address:	2900 S Platte Rver Dr Englewood, CO 80110	Facility Location:	2900 SOUTH PLATTE RIVER DR ENGLEWOOD, CO 80110
Permitted Feature:	300 Influent Structure	Discharge:	300-I Influent Measurements		

Report Dates & Status					
Monitoring Period:	From 06/01/16 to 06/30/16	DMR Due Date:	07/28/16	Status:	NetDMR Validated

Considerations for Form Completion
 Influent samples must be collected, analyzed and reported monthly regardless of whether an effluent discharge occurs. Hydraulic capacity = 50 MGD; organic capacity = 96,825 lbs BOD-5/Day.

Principal Executive Officer					
First Name:		Title:		Telephone:	
Last Name:					

No Data Indicator (NODI)
 Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type						
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3				Value 3	Units				
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	--	Sample	=	49900	=	49800	26 - lb/d			=	259	=	261	19 - mg/L	01/01 - Daily	CP - COMPOS				
					Permit Req.		Req Mon 30DA AVG		Req Mon MX 7D AV	26 - lb/d						Req Mon 30DA AVG		Req Mon MX 7D AV	19 - mg/L	02/07 - Twice Every Week	CP - COMPOS		
					Value NODI																		
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample								=	234	=	238	19 - mg/L	01/01 - Daily	CP - COMPOS				
					Permit Req.												Req Mon 30DA AVG		Req Mon MX 7D AV	19 - mg/L	02/07 - Twice Every Week	CP - COMPOS	
					Value NODI																		
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	23.1	=	24.2	03 - MGD								99/99 - Continuous	RC - Recorder (auto)				
					Permit Req.		Req Mon 30DA AVG		Req Mon DAILY MX	03 - MGD											99/99 - Continuous	RC - Recorder (auto)	
					Value NODI																		
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample								=	230	=	235	19 - mg/L	01/01 - Daily	CP - COMPOS				
					Permit Req.													Req Mon 30DA AVG		Req Mon MX 7D AV	19 - mg/L	02/07 - Twice Every Week	CP - COMPOS
					Value NODI																		

Submission Note
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Edit Check Errors
 No errors.

Comments

Attachments
 No attachments.

Report Last Saved By
 Littleton/Englewood Cities of

User:	bdurkin	Date/Time:	2016-07-20 07:48 (Time Zone: -06:00)
Name:	Brenna Durkin		
E-Mail:	bdurkin@englewoodgov.org		

DMR Copy of Record

Permit					
Permit #:	CO0032999	Permittee:	Littleton/Englewood Cities of	Facility:	LITTLETON/ENGLEWOOD, CITIES OF
Major:	Yes	Permittee Address:	2900 S Platte Rver Dr Englewood, CO 80110	Facility Location:	2900 SOUTH PLATTE RIVER DR ENGLEWOOD, CO 80110
Permitted Feature:	001 External Outfall	Discharge:	001-Q Quarterly Monitoring for 001		

Report Dates & Status					
Monitoring Period:	From 04/01/16 to 06/30/16	DMR Due Date:	07/28/16	Status:	NetDMR Validated

Considerations for Form Completion
 Antidegradation - see I.C.1, pg 19.

Principal Executive Officer					
First Name:		Title:		Telephone:	
Last Name:					

No Data Indicator (NODI)
 Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading				Quality or Concentration				# of Ex.	Frequency of Analysis	Sample Type			
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2				Value 2	Qualifier 3	Value 3
00940	Chloride [as Cl]	1 - Effluent Gross	0	--	Sample					=	117				19 - mg/L	01/01 - Daily	CP - COMPOS	
					Permit Req.						Req Mon QRTR AVG				19 - mg/L	01/90 - Quarterly	CP - COMPOS	
					Value NODI													
00940	Chloride [as Cl]	P - See Comments	0	--	Sample					=	113				28 - ug/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.						Req Mon ROLL AVG				28 - ug/L	01/90 - Quarterly	CP - COMPOS	
					Value NODI													
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample					=	107				28 - ug/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.						Req Mon QRTR AVG				28 - ug/L	01/90 - Quarterly	CP - COMPOS	
					Value NODI													
00980	Iron, total recoverable	P - See Comments	0	--	Sample					=	130				28 - ug/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.						Req Mon ROLL AVG				28 - ug/L	01/90 - Quarterly	CP - COMPOS	
					Value NODI													
01220	Chromium, hexavalent dissolved [as Cr]	1 - Effluent Gross	0	--	Sample					<	10		<	10	28 - ug/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.						Req Mon QRTR AVG			Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly	CP - COMPOS	
					Value NODI													
01220	Chromium, hexavalent dissolved [as Cr]	P - See Comments	0	--	Sample					<	10				28 - ug/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.						Req Mon ROLL AVG				28 - ug/L	01/90 - Quarterly	CP - COMPOS	
					Value NODI													
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	--	Sample					=	24		=	29	28 - ug/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.						Req Mon QRTR AVG			Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly	CP - COMPOS	
					Value NODI													
01303	Zinc, potentially dissolved	P - See Comments	0	--	Sample					=	25.8				28 - ug/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.						Req Mon ROLL AVG				28 - ug/L	01/90 - Quarterly	CP - COMPOS	
					Value NODI													
01306	Copper, potentially dissolved	1 - Effluent Gross	0	--	Sample					=	7.8		=	12.9	28 - ug/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.						Req Mon QRTR AVG			Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly	CP - COMPOS	
					Value NODI													
39344	.gamma.-BHC	1 - Effluent Gross	0	--	Sample					<	0.02		<	0.02	28 - ug/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.						Req Mon QRTR AVG			Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly	CP - COMPOS	
					Value NODI													
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	--	Sample					<	0.007				28 - ug/L	01/30 - Monthly	CP - COMPOS	
					Permit Req.						<=	.007 QRTR AVG				28 - ug/L	01/90 - Quarterly	CP - COMPOS
					Value NODI													

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Edit Check Errors
 No errors.

Comments

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