# 2017 Los Angeles River Trash TMDL Annual Report for the City of Pico Rivera

Prepared for the Los Angeles Regional Water Quality Control Board Submitted as part of the 2016-2017 Individual MS4 NPDES Annual Report

December 15, 2017

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## 1. Background

The City of Pico Rivera (City) is complying with the Los Angeles River Trash TMDL (Trash TMDL) through an alternative compliance option, as allowed by the June 11, 2015, Los Angeles Regional Water Quality Control Board (Regional Board) Amendment to the Trash TMDL. The City is employing a combination of full capture systems, partial capture systems, and institutional controls—all properly sized, operated, and maintained—to achieve a reduction in trash discharge of 99% or greater from the baseline load. The percent reduction is determined through a mass balance approach, based on a daily generation rate (DGR) study as described in the Regional Board's August 9, 2007, Trash TMDL Staff Report for the Los Angeles River Watershed.

## 2. Compliance Status

The Regional Board's mass balance worksheets (Reporting Forms) were used to calculate the percent reduction in trash discharge for reporting year 2016-2017. They are discussed in Section 5 and included in Section 6 of this report.

The City will continue to properly maintain its trash capture devices and institutional controls and anticipates loading reductions above 99% in future reporting years. The City requests the Executive Officer's concurrence to reduce the frequency of DGR studies from annually to once every five years. The City will report annually on the continued implementation at the same level of capture devices and institutional controls and any drastic land use changes that occur.

## 3. Full Capture Systems, Partial Capture Systems, and Institutional Controls

A complete list of trash capture devices is included in Section 6. Institutional controls include littering ordinances, biannual catch basin cleaning, weekly street sweeping, public education and stormwater pollution prevention outreach, residential curbside recycling, hazardous and electronic waste roundups, and bulky item collection.

# 4. Daily Generation Rate (DGR) Study

The City's trash discharge for the reporting year was estimated using a mass balance approach based on a trash DGR calculated for land use areas within the City. The representative land use areas studied were residential and industrial areas. All catch basins within commercial, public/educational, and open space areas are retrofitted with full-capture devices, so these areas were not studied. The DGR was calculated by weighing trash collected over a 30-day period in the summer along representative street sweeping collection routes within the study areas, then extrapolating that weight across the City. See Figures 1-2 for the designated routes. The results of the DGR study are included as part of the Regional Board Reporting Forms in Section 6.

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# 4.1 Study method

Trash<sup>1</sup> was manually picked up with a reaching tool along the collection routes. (See Figure 3.) The manual pickup was conducted one day prior to street sweeping for each route. Catch basins along the study routes were covered to prevent trash from being swept into them. (See Figure 4.) Only trash a quarter of an inch or larger was collected. Collected trash in each area was weighed using a calibrated digital scale. (See Figure 5.) Five gallon buckets were used to estimate the volume. The trash was then separated and quantified by material type. A standard health and safety plan was followed at all times. The health and safety plan is available upon request.

## 4.2 Collection routes

Figures 1-2 show the collection routes for the DGR Study. Each figure includes a brief description.

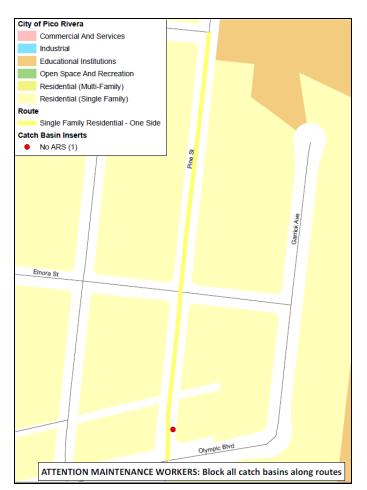


Figure 1. Residential Area Route. Collection occurred Monday. Route includes the side of the street swept Tuesday only.

<sup>&</sup>lt;sup>1</sup> Following the Los Angeles River Trash TMDL, "trash" is defined in California Government Code Section 68055.1(g) as "...all improperly discarded waste material, including, but not limited to, convenience food, beverage, and other product packages or containers constructed of steel, aluminum, glass, paper, plastic, and other natural and synthetic materials, thrown or deposited on the lands and waters of the state, but not including the properly discarded waste of the primary processing of agriculture, mining, logging, sawmilling or manufacturing."

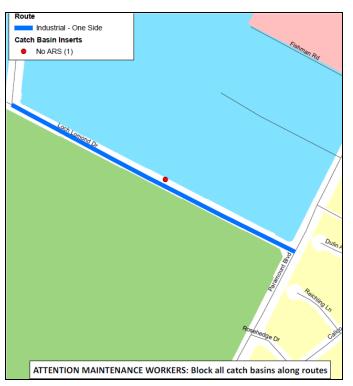


Figure 2. Industrial Area Route. Collection occurred Friday. Route includes the side of the street swept Saturday only.

### 4.3 Field pictures

Figures 3-6 were taken during the 2017 DGR study. Each picture includes a brief description.

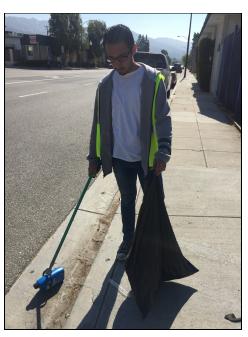


Figure 3. DGR crew member collecting trash using a reaching tool.

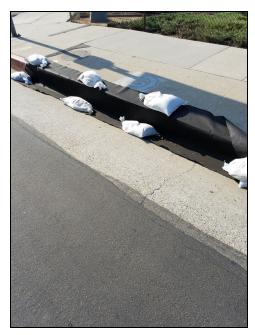


Figure 4. Catch basins along the study routes were covered to prevent trash from being swept into them.



Figure 5. DGR crew member weighing collected trash using a digital scale.

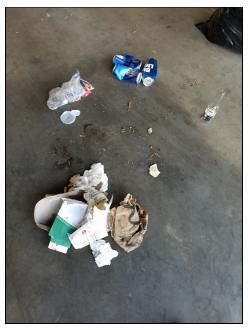


Figure 6. Sorted trash pile from the Residential Area route on 8-28-17.

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### 5. Mass Balance Approach

The mass balance Reporting Forms provided by the Regional Board were used to calculate total trash discharge. (See Section 6.) Deviations from the Reporting Forms are noted and explained in the comments sections. This includes the following:

• The City's streets are not swept in one day. Approximately equal parts are swept Monday through Friday. Accounting for this effect results in fractional days of trash accumulation for a given storm event.

### 6. Trash TMDL Reporting Forms

The 2017 Trash TMDL Reporting Forms are included on the following pages.

	Trash Collection for Calculation of Daily Generation Rate, DGR											
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	Col. 9	Col. 10	Col. 11		
Land Use Category Residential	Total Area within Jurisdiction 35.44	Representative Area for DGR Calculation 0.22	Date of Last Street Sweeping	Date of DGR Sampling	Length of Collection Period	Trash Collection from Representative Area (lb. or gal.)	Trash Cleaned Out from Catchbasin(s) within the Representative Area (lb. or gal.)	Total Amount of Trash Generated in Representative area	Total Trash Generated within Representative Area	Comments		
			08/08/17	08/14/17	6	0.31		0.31		Residential areas swept weekly. DGR sampling collected weekly (Monday) by hand, and prior to street sweeping activities (Tuesdays) Thus a		
			08/15/17	08/21/17	6	1.00		1.00		six-day period ellapsed between sweeping and collection events.		
			08/22/17 08/29/17	08/28/17 09/04/17	6	1.06 0.63		1.06 0.63				
			09/05/17	09/04/17	6	0.03		0.13	17.17			
			00/00/11		30	0.10	<u> </u>	0.10				
Industrial	9.10	0.28	1									
			08/12/17	00/10/11	6	2.19		2.19		Industrial areas swept weekly. DGR sampling collected weekly by hand (Fridays) and prior to street sweeping (Saturdays). Thus a six-day		
			08/19/17	08/25/17	6	1.88		1.88		period ellapsed between sweeping and collection events.		
			08/26/17	09/01/17	6	2.00		2.00				
	<u> </u>		09/02/17 09/09/17	09/08/17 09/15/17	6	0.25 0.88		0.25	7.68			
	<u> </u>		03/08/17	Total Days:	30	0.00	0	0.00	1.00			
Commercial	2.22	0.00	1	rota: Dayo.	00	1						
				1						All catch basins within this land-use area are retrofitted with full capture devices, thus trash was not collected from this area.		
				-								
									0.00	-		
				Total Days:	0				0.00			
Public Facilities / Educational Institutions	0.35	0.00		, otar Dayo.								
										All catch basins within this land-use area are retrofitted with full capture devices, thus trash was not collected from this area.		
				-								
									0.00			
				Total Days:	0							
Open Space / Recreation	2.57	0.00								All catch basins within this land-use area are retrofitted with full capture devices, thus trash was not collected from this area.		
										1		
										]		
									0.00			
				Total Days:	U		T . / .   T					
Total Area	49.69	0.50					Total Trash (Ibs) DGR (Ibs/dav)	10.3	24.84			
Notes:	* Total collec	tion period must	equal 30 days	s for each repre	sentative la	I nd use area	DGR (IDS/udy)		27.07	1		
Col. 1							CDPW baseline	monitoring arour	Alternatively, describe land use	e type as designated by the City.		
Col. 2										pproved measurement units, e.g. curb miles.		
Col. 3	Representati	ve area for DGR	calculation (fi	ill in once in gra	y-highlighte	d row for each lan	d use category). I	Representative a	ea may be accounted for using of	other approved measurement		
				s used for DGF	calculation	should be represe	ntative, proportio	nally, of the land	uses within the jurisdiction and r	must be approved by the EO prior to the 30-day collection period.		
		street sweeping							1 1 0 t			
									d and September 22nd			
Col. 6 Col. 7						be 30 days, total, f ther method, lb. or		tative land use an	ea			
Col. 7 Col. 8								CBs during the D	3B collection period must be inc	Juded in the total trash generated.		
000						rpose of DGR sam			si conconori period must be me			
Col. 9						and Col. 8), lb. or						
Col. 10	Total Trash 0	Generated within	Representativ									
		ments, if necessa										
Note: Sampling mu	ist be conduct	ed during any 30	-day period, s	tarting June 22	nd through S	September 22nd of	each year.					

#### Part 7.1.C(1)(b)(2) -L.A. County MS4 Permit City of Pico Rivera Annual Report: Dec 2017

### Institutional Controls Individual Storm Event Total Storm Year Trash Discharge

Rainfall Station:	WHITTIER 2.9	WNW, CA US									
Total Trash Disch	arged by Storm Ev	ent									
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8				
DGR	Date of Last Street Sweeping	Date of Storm Event	Precipitation Depth	Days	Amount of Trash Recovered from Catchbasins	Storm Event Trash Discharge	Comments				
24.84	10/13/16	10/17/2016	0.3	3.5		86.95	* Rainfall data was collected from the				
24.84	11/16/16	11/21/2016	1.03	4.5		111.80	closest rainfall station.				
24.84	11/22/16	11/27/2016	0.25	4.4		109.31					
24.84	12/13/16	12/16/2016	2	2.5		62.11	** The entire City of Pico Rivera is not				
24.84	12/19/16	12/22/2016	1.05	2.8		69.56	swept in one day. Approximately equal				
24.84	12/22/16	12/24/2016	1.15	1.9		47.20	parts of the City are swept Monday				
24.84	12/27/16	12/30/2016	0.25	2.5		62.11	through Friday. As such during any giver				
24.84	12/30/16	12/31/2016	0.25	1		24.84	rain event, different parts of the City				
24.84	01/02/17	1/5/2017	0.61	2.6		64.59	were swept between 1 to 7 days				
24.84	01/05/17	1/9/2017	0.68	3.2		79.50	previously. Accounting for this effect				
24.84	01/09/17	1/11/2017	0.59	1.6		39.75	results in fractional days of trash				
24.84	01/11/17	1/12/2017	1	0.9		22.36	accumulation for a given storm event.				
24.84	01/12/17	1/13/2017	0.84	0.9		22.36					
24.84	01/16/17	1/19/2017	0.94	2.8		69.56					
24.84	01/19/17	1/20/2017	1.56	0.9		22.36					
24.84	01/20/17	1/22/2017	0.76	2		49.69					
24.84	01/22/17	1/23/2017	1.83	0.9		22.36					
24.84	02/03/17	2/7/2017	0.8	4		99.38					
24.84	02/07/17	2/11/2017	0.39	3.1		77.02					
24.84	02/15/17	2/18/2017	2.7	3		74.53	]				
24.84	03/19/17	3/22/2017	0.25	3.5		86.95	]				
24.84	05/03/17	5/7/2017	0.3	4		99.38	]				
24.84	05/07/17	5/8/2017	0.27	0.9		22.36	]				
Total Storm Yea	r Trash Discharg	e				1,142.83					

#### Part 7.1.C(1)(b)(2) -L.A. County MS4 Permit City of Pico Rivera Annual Report: Dec 2017

### Institutional Controls Individual Storm Event Total Storm Year Trash Discharge

Rainfall Static	n:WHITTIER 2.9	WNW, CA US					
Total Trash Dis	charged by Storm Ev	vent					
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
DGR	Date of Last Street Sweeping	Date of Storm Event	Precipitation Depth	Days	Amount of Trash Recovered from Catchbasins	Storm Event Trash Discharge	Comments
Notations:							
Form	Add additional rows	for storm events, i	f necessary				
Rainfall Station	Name of rainfall sta	tion used, indicate	only the L.A. Cou	nty station num	ber		
Total Storm Year	Trash Discharge = Su	um of individual stor	m event discharg	ges for reporting	period (October 1 - September 30	D).	
Col. 1	DGR for Jurisdiction	n from DGR Sampli	ng Data workshe	et			
Col. 2	Date of last street s	weeping					
Col. 3	Date of storm event	t with 0.25 inch or n	nore of rainfall				
Col. 4	Depth of rainfall tak	en from nearest rai	nfall station (in.)				
Col. 5	Number of days bet	tween date of last s	treet sweeping ar	nd storm event.	For each day of a storm event tha	t generates precipit	ation greater
	than 0.25 inch, the	Permittee shall calo	ulate a storm eve	ent discharge. W	/hen more than one storm event o	occurs prior to the n	ext street
	sweeping the disch	arge shall be calcul	ated from the dat	e of the last sto	rm event discharge calculation.		
Col. 6	Amount of trash rec	covered from catch	basins, if any (lb.	or gal.)			
Col. 7	Storm Event Discha	arge = Col. 1 x Col.	5 - Col. 7 [trash c	discharged by th	e storm event], lbs. or gal.		
Col. 8	Provide comments,	if necessary	_	-			

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	Col. 9	Col. 10
	Institutio	nal Control	Measure	Structural Cont	rol Measure				
					% of CBs	Required			
	Total Trash			Total # CBs	served by	Trash			
Reporting	Discharged	Effluent	Equivalent	served by FCDs	FCDs /	Abatement	Total Combined		
Period	(lbs.)	Limitation	Compliance	and PCDs	PCDs	(%)	Compliance	Compliance	Comments
31-Oct-11									
31-Oct-12									
31-Oct-13									
31-Oct-14									
				Total CBs = 67					
				Total FCDs = 56					
31-Oct-15	7,411	744	67.1%	Total PCDs = 8	93.9%	96.7%	98.0%		
31-Oct-16	6,122	225	72.9%	63	93.9%	99.0%	98.3%		
31-Oct-17	1,143	225	94.9%	63	93.9%	99.0%	99.7%	Yes	

#### Notations:

- Form Structural Control Measure: Report compliance using land area served by FCD/PCDs or number of catchbasins served by FCD/PCDs.
- Column 1: Reporting Period: Part 7.1.(C)(1) of Order No. 01-182 as amended by Order No. R4-2009-0130
- Column 2: As calculated pursuant to Part 7.1.(B)(1)(b)(2) of Order No. 01-182 as amended by Order No. R4-2009-0130 Alternative approaches per Part 7.1.(B)(1)(b)(3) must be approved in advance by the Executive Officer
- Column 3: Effluent Limitation per Part 7.1, Appendix 7-1, Table 1a or 1b, of Order No. 01-182 as amended by Order No. R4-2009-0130
- Column 4: Compliance = 1-(Col. 2 / Baseline Waste Load Allocation)
- Column 5: Total number of catchbasins, total number of (CBs) served by FCD/PCDs within jurisdiction
- Column 6: Percentage of CBs served by FCD/PCDs within jurisdiction
- Column 7: Required Trash Abatement: Part 7.1, Appendix 7-1 of Order No. 01-182 as amended by Order No. R4-2009-0130
- Column 8: Total Combined Compliance = (Col. 6) + (1.0-Col.6)\*(Col.4)
- Column 9: FCD Compliance: Yes, if Col. 8 is greater than Col. 7
- Column 10: Provide comments, if necessary

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	Col. 9	Col. 10	Col. 11	
Certified FCD(s) Installed	FCD Location	Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date		D No. ∋d by CD	СВ Туре	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
ARS & CPS	NW	PARAMOUNT		CITY	08/15/11	1970	190	CURB OPENING	CITY	CITY	2x / year
ARS & CPS	SW	PARAMOUNT		CITY	08/15/11	1970	191	CURB OPENING	CITY	CITY	2x / year
ARS & CPS	NW	PARAMOUNT		CITY	08/15/11	1970	192	CURB OPENING	CITY	CITY	2x / year
ARS & CPS	NW	PARAMOUNT		CITY	08/15/11	1970	193	CURB OPENING	CITY	CITY	2x / year
ARS & CPS	MID E	PARAMOUNT		CITY	08/15/11	1970	194	CURB OPENING	CITY	CITY	2x / year
ARS & CPS	NORTH	PARAMOUNT		CITY	08/15/11	1970	195	CURB OPENING	CITY	CITY	2x / year
ARS & CPS	NE	PARAMOUNT		CITY	08/15/11	1970	196	CURB OPENING	CITY	CITY	2x / year
ARS & CPS	EAST	WASHINGTON		CITY	08/15/11	1970	197	CURB OPENING	CITY	CITY	2x / year
ARS & CPS	NW	WASHINGTON		CITY	08/15/11	1970	198	CURB OPENING	CITY	CITY	2x / year
ARS & CPS	NORTH	CANDACE		CITY	08/15/11	1970	199	CURB OPENING	CITY	CITY	2x / year
ARS & CPS	NE	CANDACE		CITY	08/15/11	1970	200	CURB OPENING	CITY	CITY	2x / year
ARS	N/NW	PHAETON		CITY	08/15/11	1970	201	CURB OPENING	CITY	CITY	2x / year
ARS & CPS	NE	PARAMOUNT		CITY	08/15/11	1970	204	CURB OPENING	CITY	CITY	2x / year
ARS & CPS	WEST	SLAUSON		CITY	08/15/11	1971	133	CURB OPENING	CITY	CITY	2x / year
CPS	NW	SLAUSON		CITY	08/15/11	1971	134	CURB OPENING	CITY	CITY	2x / year
ARS & CPS	NW	SLAUSON		CITY	08/15/11	1971	135	CURB OPENING	CITY	CITY	2x / year
ARS & CPS	NORTH	CROSSWAY		CITY	08/15/11	1971	136	CURB OPENING	CITY	CITY	2x / year
ARS & CPS	NE	CROSSWAY		CITY	08/15/11	1971	137	CURB OPENING	CITY	CITY	2x / year

ARS     SE     SLAUSON     CITY     08/15/11     1971     139     OPENING     CITY     2x / year       ARS & CPS     SOUTH     SLAUSON     CITY     08/15/11     1971     139     OPENING     CITY     CITY     2x / year       ARS & CPS     NW     BEVERLY     CITY     08/15/11     1971     140     OPENING     CITY     CITY     2x / year       ARS & CPS     NW     BEVERLY     CITY     08/15/11     2022     224     OPENING     CITY     CITY     2x / year       ARS & CPS     WEST     BEVERLY     CITY     08/15/11     2022     227     OPENING     CITY     2x / year       ARS & CPS     WEST     PARAMOUNT     CITY     08/16/11     2022     228     OPENING     CITY     2x / year       ARS & CPS     NE     WHITTIER     CITY     08/15/11     2023     175     OPENING     CITY     2x / year       ARS & CPS     SE     WHITTIER     CITY     08/15/11     2023     183     <	450	FACT			00/45/44	4074	100	CURB			2x / year
ARS     SE     SLAUSON     CITY     08/15/11     1971     139     OPENING     CITY     CITY     22/ year       ARS & CPS     SOUTH     SLAUSON     CITY     08/15/11     1971     140     OPENING     CITY     2x / year       ARS & CPS     NW     BEVERLY     CITY     08/15/11     2022     224     OPENING     CITY     2x / year       ARS & CPS     WEST     BEVERLY     CITY     08/15/11     2022     225     OPENING     CITY     2x / year       ARS & CPS     WEST     BEVERLY     CITY     08/15/11     2022     227     OPENING     CITY     CITY     2x / year       ARS & CPS     WEST     PARAMOUNT     CITY     08/16/11     2022     228     OPENING     CITY     2x / year       ARS & CPS     NE     WHITTIER     CITY     08/15/11     2023     175     OPENING     CITY     2x / year       ARS & CPS     SE     WHITTIER     CITY     08/15/11     2023     176     OPENING	ARS	EAST	SLAUSON	CITY	08/15/11	1971	138	OPENING CURB	CITY	CITY	
ARS & CPS     SOUTH     SLAUSON     CITY     08/15/11     1971     140     OPENING     CITY     CITY     22/ / year       ARS & CPS     NW     BEVERLY     CITY     08/15/11     2022     224     OPENING     CITY     CITY     2x / year       ARS & CPS     WEST     BEVERLY     CITY     08/15/11     2022     225     OPENING     CITY     CITY     2x / year       ARS & CPS     WEST     PARAMOUNT     CITY     08/15/11     2022     225     OPENING     CITY     CITY     2x / year       ARS & CPS     WEST     PARAMOUNT     CITY     08/15/11     2022     228     OPENING     CITY     CITY     2x / year       ARS & CPS     NORTH     GALLATIN     CITY     08/15/11     2023     175     OPENING     CITY     CITY     2x / year       ARS & CPS     NE     WHITTIER     CITY     08/15/11     2023     176     OPENING     CITY     2x / year       ARS & CPS     NE     PARAMOUNT     CITY </td <td>ARS</td> <td>SE</td> <td>SLAUSON</td> <td>CITY</td> <td>08/15/11</td> <td>1971</td> <td>139</td> <td></td> <td>CITY</td> <td>CITY</td> <td>2x / year</td>	ARS	SE	SLAUSON	CITY	08/15/11	1971	139		CITY	CITY	2x / year
ARS & CPS     SUCHT     SLAUSUN     CHTY     OB/15/11     19/1     10/0     DEPENING     CHTY     ARS & CPS <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>2x / vear</td></t<>											2x / vear
ARS & CPS     NW     BEVERLY     CITY     08/15/11     2022     224     OPENING     CITY     CITY     2X / year       ARS & CPS     WEST     BEVERLY     CITY     08/15/11     2022     222     OPENING     CITY     CITY     2x / year       ARS & CPS     WEST     PARAMOUNT     CITY     08/16/11     2022     222     OPENING     CITY     CITY     2x / year       ARS & CPS     WEST     PARAMOUNT     CITY     08/16/11     2022     228     OPENING     CITY     CITY     2x / year       ARS & CPS     NORTH     GALLATIN     CITY     08/15/11     2023     175     OPENING     CITY     CITY     2x / year       ARS & CPS     NE     WHITTIER     CITY     08/15/11     2023     176     OPENING     CITY     2x / year       ARS & CPS     NE     PARAMOUNT     CITY     08/15/11     2023     180     OPENING     CITY     2x / year       ARS & CPS     NE     PARAMOUNT     CITY     08/15/11	ARS & CPS	SOUTH	SLAUSON	CITY	08/15/11	1971	140		CITY	CITY	ZX7 year
ARS & CPS     WEST     BEVERLY     CITY     08/15/11     2022     225     OPENING     CITY     CITY     2x / year       ARS & CPS     WEST     PARAMOUNT     CITY     08/15/11     2022     225     OPENING     CITY     CITY     2x / year       ARS & CPS     NORTH     GALLATIN     CITY     08/16/11     2022     228     OPENING     CITY     CITY     2x / year       ARS & CPS     NORTH     GALLATIN     CITY     08/15/11     2022     228     OPENING     CITY     CITY     2x / year       ARS & CPS     NE     WHITTIER     CITY     08/15/11     2023     175     OPENING     CITY     2x / year       ARS & CPS     SE     WHITTIER     CITY     08/15/11     2023     176     OPENING     CITY     2x / year       ARS & CPS     NE     PARAMOUNT     CITY     08/15/11     2023     180     OPENING     CITY     2x / year       ARS & CPS     NE     PARAMOUNT     CITY     08/15/11     202	ARS & CPS	NW	BEVERLY	CITY	08/15/11	2022	224	OPENING	CITY	CITY	2x / year
ARS & CPS     WEST     PARAMOUNT     CITY     08/16/11     2022     227     OPENING     CITY     CITY     2x / year       ARS & CPS     NORTH     GALLATIN     CITY     08/16/11     2022     228     OPENING     CITY     CITY     2x / year       ARS & CPS     NE     WHITTIER     CITY     08/15/11     2023     175     OPENING     CITY     2x / year       ARS & CPS     SE     WHITTIER     CITY     08/15/11     2023     175     OPENING     CITY     2x / year       ARS & CPS     SE     WHITTIER     CITY     08/15/11     2023     176     OPENING     CITY     2x / year       ARS     SE     PARAMOUNT     CITY     08/15/11     2023     182     OPENING     CITY     2x / year       ARS & CPS     NE     PARAMOUNT     CITY     08/15/11     2023     183     OPENING     CITY     2x / year       ARS & CPS     NW     PARAMOUNT     CITY     08/15/11     2023     186     OPENING	ARS & CPS	WEST	BEVERLY	CITY	08/15/11	2022	225		CITY	CITY	2x / year
ARS & CPSWESTPARAMOUNTCITY08/16/112022 227OPENINGCITYCITY2x / yearARS & CPSNORTHGALLATINCITY08/16/112022 228OPENINGCITYCITY2x / yearARS & CPSNEWHITTIERCITY08/15/112023 175OPENINGCITYCITY2x / yearARS & CPSSEWHITTIERCITY08/15/112023 176OPENINGCITYCITY2x / yearARS & CPSSEPARAMOUNTCITY08/15/112023 182OPENINGCITYCITY2x / yearARS & CPSNEPARAMOUNTCITY08/15/112023 182OPENINGCITYCITY2x / yearARS & CPSNEPARAMOUNTCITY08/15/112023 183OPENINGCITYCITY2x / yearARS & CPSNWPARAMOUNTCITY08/15/112023 185OPENINGCITYCITY2x / yearARS & CPSNWPARAMOUNTCITY08/15/112023 185OPENINGCITY2x / yearARS & CPSNWPARAMOUNTCITY08/15/112023 185OPENINGCITY2x / yearARS & CPSNWPARAMOUNTCITY08/15/112023 186OPENINGCITY2x / yearARS & CPSSOUTHSW OF MINESCITY08/15/112023 186OPENINGCITY2x / yearARS & CPSEASTMINESCITY08/16/112023 186OPENINGCITY <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>CURB</td><td></td><td></td><td>2x / vear</td></t<>								CURB			2x / vear
ARS & CPS     NORTH     GALLATIN     CITY     08/16/11     2022     228     OPENING     CITY     CITY     2x / year       ARS & CPS     NE     WHITTIER     CITY     08/15/11     2023     175     OPENING     CITY     CITY     2x / year       ARS & CPS     SE     WHITTIER     CITY     08/15/11     2023     176     OPENING     CITY     CITY     2x / year       ARS & CPS     SE     WHITTIER     CITY     08/15/11     2023     176     OPENING     CITY     CITY     2x / year       ARS     SE     PARAMOUNT     CITY     08/15/11     2023     182     OPENING     CITY     CITY     2x / year       ARS & CPS     NE     PARAMOUNT     CITY     08/15/11     2023     183     OPENING     CITY     CITY     2x / year       ARS & CPS     NW     PARAMOUNT     CITY     08/15/11     2023     185     OPENING     CITY     2x / year       ARS & CPS     NW     PARAMOUNT     CITY	ARS & CPS	WEST	PARAMOUNT	CITY	08/16/11	2022	227		CITY	CITY	2x7 your
ARS & CPSNEWHITTIERCITY08/15/112023175OPENINGCITYCITY2x / yearARS & CPSSEWHITTIERCITY08/15/112023176OPENINGCITYCITY2x / yearARSSEPARAMOUNTCITY08/15/112023182OPENINGCITYCITY2x / yearARS & CPSNEPARAMOUNTCITY08/15/112023182OPENINGCITYCITY2x / yearARS & CPSNEPARAMOUNTCITY08/15/112023183OPENINGCITYCITY2x / yearARS & CPSNWPARAMOUNTCITY08/15/112023184OPENINGCITYCITY2x / yearARS & CPSNWPARAMOUNTCITY08/15/112023186OPENINGCITYCITY2x / yearARS & CPSSOUTHSW OF MINESCITY08/15/112023186OPENINGCITYCITY2x / yearARS & CPSEASTMINESCITY08/15/112023186OPENINGCITYCITY2x / yearARS & CPSEASTMINESCITY08/16/112023187OPENINGCITYCITY2x / yearARS & CPSEASTMINESCITY08/16/112023187OPENINGCITYCITY2x / yearARS & CPSNEPHAETONCITY08/16/112023188OPENINGCITYCITY2x / year </td <td>ARS &amp; CPS</td> <td>NORTH</td> <td>GALLATIN</td> <td>CITY</td> <td>08/16/11</td> <td>2022</td> <td>228</td> <td>OPENING</td> <td>CITY</td> <td>CITY</td> <td>2x / year</td>	ARS & CPS	NORTH	GALLATIN	CITY	08/16/11	2022	228	OPENING	CITY	CITY	2x / year
ARS & CPSSEWHITTIERCITY08/15/112023176CURB OPENINGCITYCITY2x / yearARSSEPARAMOUNTCITYCITY08/15/112023182OPENINGCITYCITY2x / yearARS & CPSNEPARAMOUNTCITY08/15/112023183OPENINGCITYCITY2x / yearARS & CPSNEPARAMOUNTCITY08/15/112023183OPENINGCITYCITY2x / yearARS & CPSW/SWPARAMOUNTCITY08/15/112023184OPENINGCITYCITY2x / yearARS & CPSNWPARAMOUNTCITY08/15/112023185OPENINGCITYCITY2x / yearARS & CPSSOUTHSW OF MINESCITY08/15/112023186OPENINGCITYCITY2x / yearARS & CPSSOUTHSW OF MINESCITY08/15/112023187OPENINGCITY2x / yearARS & CPSEASTMINESCITY08/15/112023187OPENINGCITY2x / yearARS & CPSEASTMINESCITY08/16/112023188OPENINGCITY2x / yearARS & CPSNWPHAETONCITY08/16/112023189OPENINGCITY2x / yearARS & CPSNWWASHINGTONCITY08/16/112023189OPENINGCITY2x / yearARS & CPSNOR	ARS & CPS	NE	WHITTIER	CITY	08/15/11	2023	175		CITY	CITY	2x / year
ARS & CPSSEWHITTLERCITY08/15/112023 17/6OPENINGCITYCITYCITYARSSEPARAMOUNTCITYCITY08/15/112023 182OPENINGCITYCITY2x / yearARS & CPSNEPARAMOUNTCITY08/15/112023 183OPENINGCITYCITY2x / yearARS & CPSW/SWPARAMOUNTCITY08/15/112023 184OPENINGCITYCITY2x / yearARS & CPSNWPARAMOUNTCITY08/15/112023 186OPENINGCITYCITY2x / yearARS & CPSSOUTHSW OF MINESCITY08/15/112023 186OPENINGCITYCITY2x / yearARS & CPSSOUTHSW OF MINESCITY08/15/112023 186OPENINGCITYCITY2x / yearARS & CPSEASTMINESCITY08/15/112023 187OPENINGCITY2x / yearARS & CPSEASTMINESCITY08/16/112023 188OPENINGCITY2x / yearARS & CPSEASTWASHINGTONCITY08/16/112023 188OPENINGCITY2x / yearARS & CPSNWWASHINGTONCITY08/16/112023 190OPENINGCITY2x / yearARS & CPSNWWASHINGTONCITY08/16/112023 191OPENINGCITY2x / yearARS & CPSNORTHBOLLENBACHERCITY08/16/112023 192OPENINGCITY <td></td> <td>05</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2x / year</td>		05									2x / year
ARSSEPARAMOUNTCITY08/15/112023182OPENINGCITYCITY2X / yearARS & CPSNEPARAMOUNTCITY08/15/112023183OPENINGCITYCITY2x / yearARS & CPSW/SWPARAMOUNTCITY08/15/112023184OPENINGCITYCITY2x / yearARS & CPSW/SWPARAMOUNTCITY08/15/112023184OPENINGCITYCITY2x / yearARS & CPSNWPARAMOUNTCITY08/15/112023185OPENINGCITYCITY2x / yearARS & CPSSOUTHSW OF MINESCITY08/15/112023186OPENINGCITYCITY2x / yearARS & CPSSOUTHSW OF MINESCITY08/15/112023186OPENINGCITYCITY2x / yearARS & CPSEASTMINESCITY08/15/112023187OPENINGCITYCITY2x / yearARS & CPSEASTMINESCITY08/16/112023188OPENINGCITYCITY2x / yearARS & CPSEASTWASHINGTONCITY08/16/112023189OPENINGCITYCITY2x / yearARS & CPSNWWASHINGTONCITY08/16/112023190OPENINGCITYCITY2x / yearARS & CPSNORTHBOLLENBACHERCITY08/16/112023191OPENINGCITYCITY	ARS & CPS	SE	WHITTIER	CITY	08/15/11	2023	176		CITY	CITY	
ARS & CPSNEPARAMOUNTCITY08/15/112023183OPENINGCITYCITY2X / yearARS & CPSW/SWPARAMOUNTCITYOB/15/112023184OPENINGCITYCITY2x / yearARS & CPSNWPARAMOUNTCITYOB/15/112023184OPENINGCITYCITY2x / yearARS & CPSNWPARAMOUNTCITYOB/15/112023185OPENINGCITYCITY2x / yearARS & CPSSOUTHSW OF MINESCITY08/15/112023186OPENINGCITYCITY2x / yearARS & CPSEASTMINESCITY08/15/112023186OPENINGCITYCITY2x / yearARSNEPHAETONCITY08/16/112023187OPENINGCITYCITY2x / yearARS & CPSEASTMINESCITY08/16/112023188OPENINGCITY2x / yearARS & CPSEASTWASHINGTONCITY08/16/112023189OPENINGCITY2x / yearARS & CPSNWWASHINGTONCITY08/16/112023190OPENINGCITY2x / yearARS & CPSNORTHBOLLENBACHERCITY08/16/112023191OPENINGCITY2x / yearARSNEBOLLENBACHERCITY08/16/112023191OPENINGCITY2x / yearARSNEBOLLENBACHER<	ARS	SE	PARAMOUNT	CITY	08/15/11	2023	182		CITY	CITY	2x / year
ARS & CPSNEPARAMOUNTCITY08/15/112023183OPENINGCITYCITYCITYARS & CPSW/SWPARAMOUNTCITYCITY08/15/112023184OPENINGCITYCITY2x / yearARS & CPSNWPARAMOUNTCITY08/15/112023185OPENINGCITYCITY2x / yearARS & CPSSOUTHSW OF MINESCITY08/15/112023186OPENINGCITYCITY2x / yearARS & CPSEASTMINESCITY08/15/112023187OPENINGCITYCITY2x / yearARS & CPSEASTMINESCITY08/16/112023187OPENINGCITYCITY2x / yearARSNEPHAETONCITY08/16/112023188OPENINGCITYCITY2x / yearARS & CPSEASTWASHINGTONCITY08/16/112023189OPENINGCITY2x / yearARS & CPSNWWASHINGTONCITY08/16/112023190OPENINGCITY2x / yearARS & CPSNORTHBOLLENBACHERCITY08/16/112023191OPENINGCITY2x / yearARSNEBOLLENBACHERCITY08/16/112023191OPENINGCITY2x / yearARSNEBOLLENBACHERCITY08/16/112023192OPENINGCITY2x / yearARSNEBOLLENBACHER<											2x / vear
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ARS & CPSNWPARAMOUNTCITY08/15/112023185OPENINGCITYCITY2x / yearARS & CPSSOUTHSW OF MINESCITY08/15/112023186OPENINGCITYCITY2x / yearARS & CPSEASTMINESCITY08/15/112023187OPENINGCITYCITY2x / yearARSNEPHAETONCITY08/16/112023187OPENINGCITYCITY2x / yearARSNEPHAETONCITY08/16/112023188OPENINGCITYCITY2x / yearARS & CPSEASTWASHINGTONCITY08/16/112023189OPENINGCITYCITY2x / yearARS & CPSNWWASHINGTONCITY08/16/112023190OPENINGCITY2x / yearARS & CPSNORTHBOLLENBACHERCITY08/16/112023191OPENINGCITY2x / yearARSNEBOLLENBACHERCITY08/16/112023191OPENINGCITY2x / yearARSNEBOLLENBACHERCITY08/16/112023191OPENINGCITY2x / yearARSNEBOLLENBACHERCITY08/16/112023192OPENINGCITY2x / yearARSNEBOLLENBACHERCITY08/16/112023192OPENINGCITY2x / year	ARS & CPS	W/SW	PARAMOUNT	CITY	08/15/11	2023	184		CITY	CITY	2x / year
ARS & CPSSOUTHSW OF MINESCITY08/15/112023186OPENINGCITYCITY2x / yearARS & CPSEASTMINESCITY08/15/112023187OPENINGCITYCITY2x / yearARSNEPHAETONCITY08/16/112023188OPENINGCITYCITY2x / yearARSNEPHAETONCITY08/16/112023188OPENINGCITYCITY2x / yearARS & CPSEASTWASHINGTONCITY08/16/112023189OPENINGCITYCITY2x / yearARS & CPSNWWASHINGTONCITY08/16/112023190OPENINGCITYCITY2x / yearARS & CPSNORTHBOLLENBACHERCITY08/16/112023191OPENINGCITYCITY2x / yearARSNEBOLLENBACHERCITY08/16/112023192OPENINGCITYCITY2x / year		NIM		CITY	08/15/11	2023	195		CITY	CITY	2x / year
ARS & CPSSOUTHSW OF MINESCITY08/15/112023186OPENINGCITYCITY2x / yearARS & CPSEASTMINESCITY08/15/112023187OPENINGCITYCITY2x / yearARSNEPHAETONCITY08/16/112023188OPENINGCITYCITY2x / yearARS & CPSEASTWASHINGTONCITY08/16/112023188OPENINGCITYCITY2x / yearARS & CPSEASTWASHINGTONCITY08/16/112023189OPENINGCITYCITY2x / yearARS & CPSNWWASHINGTONCITY08/16/112023190OPENINGCITYCITY2x / yearARS & CPSNWBOLLENBACHERCITY08/16/112023191OPENINGCITYCITY2x / yearARSNEBOLLENBACHERCITY08/16/112023192OPENINGCITYCITY2x / year	ANS & CFS		FARAMOUNT	CITI	00/13/11	2023	105		CIT	CIT	
ARS & CPSEASTMINESCITY08/15/112023187OPENINGCITYCITY2x / yearARSNEPHAETONCITY08/16/112023188OPENINGCITYCITY2x / yearARS & CPSEASTWASHINGTONCITY08/16/112023189OPENINGCITYCITY2x / yearARS & CPSNWWASHINGTONCITY08/16/112023189OPENINGCITYCITY2x / yearARS & CPSNWWASHINGTONCITY08/16/112023190OPENINGCITY2x / yearARS & CPSNORTHBOLLENBACHERCITY08/16/112023191OPENINGCITY2x / yearARSNEBOLLENBACHERCITY08/16/112023192OPENINGCITY2x / year	ARS & CPS	SOUTH	SW OF MINES	CITY	08/15/11	2023	186	OPENING	CITY	CITY	2x / year
ARSNEPHAETONCITY08/16/112023188CURB OPENINGCITYCITY2x / yearARS & CPSEASTWASHINGTONCITY08/16/112023189OPENINGCITYCITY2x / yearARS & CPSNWWASHINGTONCITY08/16/112023189OPENINGCITYCITY2x / yearARS & CPSNWWASHINGTONCITY08/16/112023190OPENINGCITYCITY2x / yearARS & CPSNORTHBOLLENBACHERCITY08/16/112023191OPENINGCITYCITY2x / yearARSNEBOLLENBACHERCITY08/16/112023192OPENINGCITYCITY2x / year		ГАСТ			00/45/44	2022	107			CITY	2x / year
ARSNEPHAETONCITY08/16/112023188OPENINGCITYCITY2x / yearARS & CPSEASTWASHINGTONCITY08/16/112023189OPENINGCITYCITY2x / yearARS & CPSNWWASHINGTONCITY08/16/112023190OPENINGCITYCITY2x / yearARS & CPSNWWASHINGTONCITY08/16/112023190OPENINGCITYCITY2x / yearARS & CPSNORTHBOLLENBACHERCITY08/16/112023191OPENINGCITYCITY2x / yearARSNEBOLLENBACHERCITY08/16/112023192OPENINGCITYCITY2x / year	ARS & CPS	EAST	MINES	CITY	08/15/11	2023	187		CITY	CITY	-
ARS & CPSEASTWASHINGTONCITY08/16/112023189OPENINGCITYCITY2x / yearARS & CPSNWWASHINGTONCITY08/16/112023190OPENINGCITYCITY2x / yearARS & CPSNORTHBOLLENBACHERCITY08/16/112023191OPENINGCITYCITY2x / yearARSNEBOLLENBACHERCITY08/16/112023192OPENINGCITYCITY2x / year	ARS	NE	PHAETON	CITY	08/16/11	2023	188		CITY	CITY	2x / year
ARS & CPS   EAST   WASHINGTON   CITY   08/16/11   2023 189   OPENING   CITY   CITY   2x / year     ARS & CPS   NW   WASHINGTON   CITY   08/16/11   2023 190   OPENING   CITY   CITY   2x / year     ARS & CPS   NORTH   BOLLENBACHER   CITY   08/16/11   2023 191   OPENING   CITY   CITY   2x / year     ARS   NE   BOLLENBACHER   CITY   08/16/11   2023 192   OPENING   CITY   CITY   2x / year		FAOT			00/40/44	0000	100				2x / year
ARS & CPS NW WASHINGTON CITY 08/16/11 2023 190 OPENING CITY CITY 2x / year   ARS & CPS NORTH BOLLENBACHER CITY 08/16/11 2023 191 OPENING CITY CITY 2x / year   ARS NE BOLLENBACHER CITY 08/16/11 2023 191 OPENING CITY CITY 2x / year	ARS & CPS	EAST	WASHINGTON	CITY	08/16/11	2023	189		CITY	CITY	
ARS & CPS   NORTH   BOLLENBACHER   CITY   08/16/11   2023   191   OPENING   CITY   CITY   2x / year     ARS   NE   BOLLENBACHER   CITY   08/16/11   2023   191   OPENING   CITY   CITY   2x / year	ARS & CPS	NW	WASHINGTON	CITY	08/16/11	2023	190	OPENING	CITY	CITY	2x / year
ARS NE BOLLENBACHER CITY 08/16/11 2023 192 OPENING CITY CITY 2x / year	ARS & CPS	NORTH	BOLLENBACHER	CITY	08/16/11	2023	191		CITY	CITY	2x / year
								CURB			2x / year
ARS SE LOCHLOMOND CITY 08/16/11 2023 193 OPENING CITY CITY 2x / year								CURB			2x / year

	MID			00/46/44	2022	101	CURB OPENING	OITV		2x / year
ARS & CPS		LOCHLOMOND	CITY	08/16/11	2023	194	CURB	CITY	CITY	
ARS	NW	LOCHLOMOND	CITY	08/16/11	2023	195	OPENING	CITY	CITY	2x / year
CPS	WEST	TELEGRAPH	CITY	08/22/11	1971	092	CURB OPENING	COUNTY	COUNTY	2x / year
CPS	NW	TELEGRAPH	CITY	08/16/11	1971	093	CURB OPENING	COUNTY	COUNTY	2x / year
CPS	NORTH	ELMONT	CITY	08/16/11	1971	094	CURB OPENING	COUNTY	COUNTY	2x / year
CPS	EAST	ELMONT	CITY	08/16/11	1971	095	CURB OPENING	COUNTY	COUNTY	2x / year
CPS	SW	FERNADEL	CITY	08/16/11	1971	096	CURB OPENING	COUNTY	COUNTY	2x / year
CPS	SE	TELEGRAPH	CITY	08/16/11	1971	097	CURB OPENING	COUNTY	COUNTY	2x / year
CPS	SOUTH	TELEGRAPH	CITY	08/16/11	1971	098	CURB OPENING	COUNTY	COUNTY	2x / year
CPS	NE	FERNADEL	CITY	08/16/11	1971	099	CURB OPENING	COUNTY	COUNTY	2x / year
CPS	NE	TERRADELL	CITY	08/16/11	1971	100	CURB OPENING	COUNTY	COUNTY	2x / year
CPS	MID	TERRADELL	CITY	08/16/11	1971	101	GRATE	COUNTY	COUNTY	2x / year
CPS	SE	TERRADELL	CITY	08/16/11	1971	102	CURB OPENING	COUNTY	COUNTY	2x / year
ARS & CPS	SE	PRA	CITY	08/16/11	2022	124	CURB OPENING	COUNTY	COUNTY	2x / year
ARS & CPS	SOUTH	PRA	CITY	08/16/11	2022	125	CURB OPENING	COUNTY	COUNTY	2x / year
CPS	NW	PARAMOUNT	CITY	08/16/11	2022	129	CURB OPENING	COUNTY	COUNTY	2x / year
ARS & CPS	SE	SPRUCE	CITY	08/16/11	2022	130	CURB OPENING	COUNTY	COUNTY	2x / year
ARS & CPS	EAST	SPRUCE	CITY	08/16/11	2022	131	CURB OPENING	COUNTY	COUNTY	2x / year
ARS & CPS	SE	OLYMPIC	CITY	08/16/11	2022	132	CURB OPENING	COUNTY	COUNTY	2x / year
ARS & CPS	NE	OLYMPIC	CITY	08/16/11	2022	133	CURB OPENING	COUNTY	COUNTY	2x / year
CPS	NE	PINE	CITY	08/16/11	2022	134	CURB OPENING	COUNTY	COUNTY	2x / year

ARS & CPS	NW	PINE		CITY	08/16/11	2022	135	CURB OPENING	COUNTY	COUNTY	2x / year
CPS	MID	LOCHLOMOND		CITY	08/16/11	2023	066	CURB OPENING	COUNTY	COUNTY	2x / year
NONE	NW	WHITTIER		CITY	08/16/11	2023	067	CURB OPENING	COUNTY	COUNTY	2x / year
CPS	NE	PARAMOUNT		CITY	08/16/11	2023	071	CURB OPENING	COUNTY	COUNTY	2x / year
NONE	NW	PARAMOUNT		CITY	08/16/11	2023	072	CURB OPENING GRATING	COUNTY	COUNTY	2x / year
NONE	SE	DUNLAP CROSSIN	١G	CITY	08/16/11	2023	073	CURB OPENING	COUNTY	COUNTY	2x / year
CPS	NE	DUNLAP CROSSIN	NG	CITY	08/16/11	2023	074	CURB OPENING	COUNTY	COUNTY	2x / year