

**Revised April 19, 2016**  
**Response to Paragraph 30 of USEPA Information Requirement**  
**Dated June 3, 2015 as Modified October 15, 2015**

ALCOSAN received an Information Requirement from USEPA, dated June 3, 2015 requesting information related to reducing flow from its customer municipalities. An October 15, 2015 revision to the letter was issued pursuant to negotiation discussions in which ALCOSAN explained it was unrealistic to provide preliminary flow targets by January 2016. For the January 2016 submission the USEPA's revision gives ALCOSAN the option of providing either estimated flow targets or estimated flows for each Point of Connection. This document responds to Paragraph 30 of the Information Requirement, which reads as follows:

*30. On or before January 31, 2016, submit to the Regulatory Agencies an estimate of flow targets by each customer municipality using the information from Paragraph 29 above and a detailed description of the methodologies used. ALCOSAN's methodologies used to develop flow targets shall consider for each Customer Municipality the service population, collection area and industry good practice for acceptable inflow and infiltration control. The methodologies used to estimate flow targets shall include (i) an equal marginal percent reduction of flow for each Customer Municipality, (ii) a maximum flow target for Customer Municipalities with combined sewer systems and a maximum flow target for Customer Municipalities with sanitary sewer systems, and (iii) any other methodology or methodologies chosen by ALCOSAN. ALCOSAN shall report to the Regulatory Agencies the estimated flow targets derived from all Methodologies identified in this Paragraph in the format set forth in Paragraph 29(c), above.*

**ALCOSAN's Response**

ALCOSAN Interpretation

Based in part on ongoing discussions with the regulatory agencies, ALCOSAN's interpretation of Paragraph 30 of the Information Requirement includes those interpretations stated in the response to Paragraph 29. In addition, it includes the following interpretations:

1. The requested maximum daily flow is interpreted as the average flow rate on the calendar day with the largest volume of flow in the Typical Year.
2. As understood from proposed modifications to the Consent Decree and ongoing negotiations with the agencies, ALCOSAN is requested to estimate the flow contributed by each customer municipality at multi-municipal Points of Connection using service area, population, miles of pipe, or best professional judgment.
3. All estimates to be provided in January 2016 are understood to be preliminary numbers using readily available information. For purposes of these preliminary numbers the reported Point of Connection flows do not include any model flooding volume in separate sanitary areas,

even though these volumes are included in the system-wide total overflow statistics reported in ALCOSAN's Wet Weather Plan.

### Information Provided

As allowed by the October 15, 2015 revision to the Information Requirement, ALCOSAN has elected the option of providing the estimated flows at each Point of Connection rather than estimated flow targets. The attached table (Table C) provides the requested information at each Point of Connection, including municipal points of connection associated with the municipally-owned and operated Thompson Run interceptor.

The information presented in the table is as follows:

1. **Column A - Planning Basin.** The abbreviation for ALCOSAN's seven planning basins as described in ALCOSAN's WWP.
2. **Column B – Point of Connection.** ALCOSAN's designation for the POC associated with each ALCOSAN outfall. Points of Connection are defined as they were for Appendix B of the WWP with updates to include more recent information:
  - a. The POCs represents the physical connections that routes flow between the Municipal Collection System and ALCOSAN's Conveyance and Treatment System. This typically occurs near a regional regulating structure or near a direct hydraulic connection to the regional interceptor system.
  - b. A Point of Connection Sewershed (POC Shed) was defined as the sewer and overland runoff drainage area tributary to the POC. When an area was tributary to multiple POCs, the preferred hydraulic dry weather flow path was used to delineate the POC Shed.
  - c. The Chartiers Creek Basin Planner identified several future developments with sewer expansion areas. A subset of these areas are not associated with any specific existing POCs and were grouped into a single representative line item in the table labeled "CC Growth Areas".
3. **Column C – Type of Point of Connection.** Indicates whether the Point of Connection is a regulated CSO, a regulated SSO, or a direct connection.
4. **Column D – Estimated Future Service Population.** Future service population is defined as it was for Appendix B of ALCOSAN's WWP:
  - a. The future service population represents the residential population projections into the year 2046.
  - b. The POC future service populations were predicted by first establishing the 2010 POC population estimates using Census Block level GIS data. Annual population growth factors, provided by the Basin Planners by modeling sub-sewershed, were then applied to the intersecting POC Shed areas in order to estimate the population in the year 2046.

- c. POCs with zero population are generally commercial or industrial areas, where the 2010 Census Block did not report a population.
5. **Column E – Estimated Public Sewers.** The quantity of public sewers is defined as it was for Appendix B of ALCOSAN’s WWP:
    - a. The “one overall” regional sewer pipeline GIS dataset, developed by ALCOSAN and 83 municipalities and maintained by 3 Rivers Wet Weather Demonstration Program, was used to identify the pipeline reaches within each POC Shed.
    - b. The “one overall” dataset does not include laterals, therefore these sewers are not included in this analysis.
    - c. The sewers tributary to the POCs were quantified in inch-miles, which were calculated by multiplying a pipeline’s length in miles by its diameter in inches, and then summing this product for all pipeline reaches within a POC.
    - d. If more than 10% by length of the diameter values were missing from the GIS data within a POC, the POC Shed’s sewers were considered incomplete and reported as “NA”.
  6. **Column F – Typical Year Flow Contribution.** The estimated annual volume of flow delivered to the Point of Connection in 2046 based on the hydrologic and hydraulic model of the complete Interim Wet Weather Plan (IWWP) for the Typical Year. This includes flow delivered via the existing municipal system and the proposed municipal system conveyance improvements. For multi-municipal Points of Connection, the estimated annual volume of flow for each customer municipality is estimated using the same methodology as described for Column K, L & M below.
  7. **Column G – Contributing Municipality.** The municipalities/authorities contributing flow to the Point of Connection as established in ALCOSAN’s response to Paragraph 28 of the Information Requirement.
  8. **Column H, I & J – Approximate Tributary Area for Estimating POC Flow Contributions in Multi-Municipal Sewersheds.** The approximate separate, combined and total acreage associated with each contributing customer municipality/authority within each Point of Connection.
  9. **Column K, L & M – Estimated Annual Average Flow Contribution for Typical Year.** The estimated total volume of flow delivered to the Point of Connection in Column F is presented as an annual average flow rate in the required units of gallons per day, gallons per inch mile per day, and gallons per capita per day, where complete data are available. For multi-municipal Points of Connection, the annual average flow for each customer municipality is estimated in according with the following methodology:
    - a. **POCs with Only Separate Sanitary Sewers or Only Combined Sewers.** Volumes are allocated in proportion to the acres of tributary sewer area.

- b. **POCs with Separate Sanitary and Combined Sewers.** Volumes are allocated in proportion to the tributary acres of combined or sanitary sewers with higher weighting given to combined sewer areas as follows:
  - i. The estimated dry weather portion of the annual volume is allocated after multiplying the combined acreage by 3.2, as combined sewer areas are estimated to contribute about 3.2 times more annual dry weather volume than sanitary areas over the entire service area on a gallons per acre basis under future conditions.
  - ii. The estimated wet weather portion of the annual volume is allocated after multiplying the combined acreage by 6.2, as combined sewer areas are estimated to contribute about 6.2 times more annual wet weather volume than sanitary areas over the entire service area on a gallons per acre basis under future conditions.

10. **Column N, O & P – Estimated Maximum Day Flow Contribution for Typical Year.** The estimated maximum calendar day flow delivered to the Point of Connection in 2046 based on the hydrologic and hydraulic model of the complete Interim Wet Weather Plan (IWWP) for the Typical Year. This includes flow delivered via the existing municipal system and the proposed municipal system conveyance improvements. The flow rate is presented in the required units of gallons per day, gallons per inch mile per day, and gallons per capita per day, where complete data are available. For multi-municipal Points of Connection, the maximum day flow for each customer municipality is estimated in according with the following methodology:

- a. **POCs with Only Separate Sanitary Sewers or Only Combined Sewers.** Volumes are allocated in proportion to the acres of tributary sewer area.
- b. **POCs with Separate Sanitary and Combined Sewers.** Volumes are allocated in proportion to the tributary acres of combined or sanitary sewers with higher weighting given to combined sewer areas as follows:
  - i. The estimated dry weather portion of the annual volume is allocated using the same methodology as described for annual volume.
  - ii. The estimated wet weather portion of the annual volume is allocated after multiplying the combined acreage by 9.7, as combined sewer areas are estimated to contribute about 9.7 times more wet weather volume than sanitary areas on the most common maximum calendar day condition in the service area on a gallons per acre basis under future conditions.

**Table C (Revised April 19, 2016)**  
**ALCOSAN Response to Paragraph 30 of USEPA Information Requirement, Dated June 3, 2015 as Modified October 15, 2015, Table C**

= Municipal points of connection  
 = Multi-municipal points of connection

A Planning Basin	B ALCOSAN Point of Connection	C Type of Point of Connection	D Estimated Future Service Population*	E Estimated Public Sewers (inch-miles)*	F Typical Year Flow Contribution (MG)	G Contributing Municipality/Authority	H Approximate Tributary Area for Estimating Flow Contributions in Multi-Municipal POC Sewersheds			K Estimated Annual Average Flow Contribution for Typical Year			N Estimated Maximum Day Flow Contribution for Typical Year		
							I Combined Area (acres)	J Sanitary Area (acres)	L Total Area (acres)	M (gpd)	O (gpimd)	P (gpcd)	Q (gpd)	R (gpimd)	S (gpcd)
CC	C-02	CSO	8	2.27	3.21	City of Pittsburgh / Pittsburgh Water and Sewer Authority (COP / PWSA)	3.52	-	3.52	8,790	3,870	1,100	177,000	78,100	22,200
CC	C-03	CSO	70	4.85	7.02	COP / PWSA	6.78	-	6.78	19,200	3,960	275	625,000	129,000	8,920
CC	C-04	CSO	391	22.7	39.0	McKees Rocks	47.7	-	47.7	107,000	4,710	274	1,780,000	78,400	4,550
CC	C-05	CSO	1,490	88.1	117	COP / PWSA	96.7	-	96.7	320,000	3,630	214	3,220,000	36,500	2,150
CC	C-05A	CSO	12	0.235	22.5	COP / PWSA	32.4	-	32.4	61,600	262,000	5,140	750,000	3,190,000	62,500
CC	C-06	CSO	1	1.94	17.7	McKees Rocks	4.99	-	4.99	48,500	25,000	48,500	2,410,000	1,240,000	2,410,000
CC	C-07	CSO	1,170	89.5	78.7	COP / PWSA	131	-	131	216,000	2,410	185	3,750,000	41,900	3,220
CC	C-08	CSO	493	23.5	35.1	McKees Rocks	28.0	-	28.0	96,300	4,100	195	632,000	26,900	1,280
CC	C-09	CSO	8,060	NA	614	TOTAL	434	231	666	1,680,000	NA	209	10,100,000	NA	1,250
			880	NA	79.9	Kennedy	-	231	231	219,000	NA	249	652,000	NA	741
			3,550	NA	300	McKees Rocks	244	-	244	821,000	NA	232	5,280,000	NA	1,490
			3,640	NA	234	Stowe	190	-	190	642,000	NA	176	4,120,000	NA	1,130
CC	C-10	CSO	-	5.50	22.9	McKees Rocks	32.6	-	32.6	62,600	11,400	NA	1,180,000	214,000	NA
CC	C-11	CSO	2,070	157	237	COP / PWSA	236	-	236	649,000	4,130	313	10,400,000	66,000	5,000
CC	C-12	CSO	704	47.0	69.3	COP / PWSA	88.0	-	88.0	190,000	4,040	270	3,830,000	81,500	5,440
CC	C-13	CSO	81	21.1	8.91	McKees Rocks	5.09	-	5.09	24,400	1,160	301	1,670,000	79,200	20,600
CC	C-13-02	DC Com	135	11.4	22.0	COP / PWSA	36.1	-	36.1	60,300	5,290	447	1,010,000	88,200	7,450
CC	C-13-06	DC San	3	-	4.77	COP / PWSA	-	9.37	9.37	13,100	NA	4,360	29,900	NA	9,950
CC	C-13-12	DC San	5,930	NA	214	Kennedy	-	854	854	587,000	NA	98.9	1,930,000	NA	326
CC	C-13A-02 (included w/ C-14)	DC Com	-	-	-	COP / PWSA	68.9	-	68.9						
CC	C-13A-04 (included w/ C-14)	DC Com	-	-	-	COP / PWSA	88.7	-	88.7						
CC	C-14	CSO	4	27.3	10.6	COP / PWSA	69.1	-	69.1	29,100	1,070	7,280	1,450,000	53,300	364,000
CC	C-14-06	DC San	-	-	12.9	COP / PWSA	-	24.7	24.7	35,300	NA	NA	158,000	NA	NA
CC	C-15	CSO	1,190	81.9	95.6	TOTAL	166	-	166	262,000	3,200	219	2,740,000	33,400	2,290
			61	0.433	5.44	Ingram	9.44	-	9.44	14,900	34,400	244	156,000	360,000	2,550
			1,130	81.5	90.2	COP / PWSA	156	-	156	247,000	3,030	218	2,580,000	31,700	2,280
CC	C-15-04	DC San	24	4.82	8.52	COP / PWSA	-	82.7	82.7	23,300	4,840	972	337,000	70,000	14,100
CC	C-19	CSO	3,760	151	313	TOTAL	164	186	351	857,000	5,680	228	4,740,000	31,400	1,260
			422	27.9	33.4	Crafton	6.42	58.9	65.3	91,400	3,280	217	356,000	12,800	843
			3,280	118	263	Ingram	149	118	267	720,000	6,100	220	4,130,000	35,000	1,260
			64	5.57	16.8	COP / PWSA	8.94	9.61	18.5	46,000	8,270	719	256,000	46,000	4,000
CC	C-20	CSO	1,500	53.0	99.3	TOTAL	123	-	123	272,000	5,130	181	3,080,000	58,100	2,050
			1,480	51.7	96.6	Crafton	119	-	119	265,000	5,120	179	2,990,000	57,900	2,030
			25	1.30	2.77	COP / PWSA	3.43	-	3.43	7,600	5,840	304	86,000	66,100	3,440
CC	C-20-02	DC San	2,470	68.9	208	TOTAL	-	357	357	570,000	8,280	231	2,050,000	29,800	830
			232	11.3	83.4	Kennedy	-	143	143	229,000	20,200	985	822,000	72,800	3,540
			2,230	53.2	114	Robinson / MATR	-	196	196	312,000	5,870	140	1,120,000	21,100	503
			8	4.00	10.8	Private Ownership (in Thornburg)	-	18.5	18.5	29,500	7,370	3,690	106,000	26,500	13,300
CC	C-21	SSO	990	36.7	66.9	Thornburg	-	135	135	183,000	5,000	185	985,000	26,800	994
CC	C-22	CSO	3,650	152	316	Crafton	261	-	261	867,000	5,700	237	8,970,000	59,000	2,460
CC	C-23	CSO	293	6.65	14.3	Crafton	16.2	-	16.2	39,100	5,880	133	474,000	71,400	1,620
CC	C-23-08	DC San	17	1.41	1.26	Crafton	-	5.11	5.11	3,450	2,450	203	16,800	11,900	987
CC	C-23-14	DC San	34	1.88	3.52	Crafton	-	5.55	5.55	9,640	5,130	284	45,200	24,000	1,330
CC	C-24	CSO	955	37.0	73.1	Crafton	87.4	-	87.4	200,000	5,410	210	1,710,000	46,200	1,790
CC	C-25	CSO	4,200	254	415	TOTAL	430	318	748	1,140,000	4,480	271	8,980,000	35,400	2,140
			224	22.4	23.1	Crafton	28.7	0.122	28.9	63,300	2,830	283	551,000	24,600	2,460
			743	52.1	57.6	Green Tree	-	264	264	158,000	3,030	212	617,000	11,800	830
			3,230	181	334	COP / PWSA	401	54.1	455	916,000	5,070	284	7,820,000	43,300	2,420

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							I Combined Area (acres)	J Sanitary Area (acres)	L Total Area (acres)	M (gpd)	O (gpimd)	P (gpcd)	Q (gpd)	R (gpimd)	S (gpcd)
CC	C-26	SSO	1,610	66.9	101	TOTAL	-	339	339	276,000	4,120	171	1,230,000	18,300	762
			1,060	26.6	42.4	Carnegie	-	143	143	116,000	4,370	109	518,000	19,500	487
			538	40.3	58.2	Rosslyn Farms	-	196	196	159,000	3,950	296	710,000	17,600	1,320
CC	C-26A	CSO	17	1.14	4.19	COP / PWSA	9.20	-	9.20	11,500	10,100	676	146,000	128,000	8,580
CC	C-27	CSO	89	11.5	31.4	COP / PWSA	57.2	-	57.2	86,000	7,480	966	614,000	53,400	6,900
CC	C-28	CSO	279	30.9	89.1	TOTAL	9.95	208	218	244,000	7,900	875	1,100,000	35,600	3,940
			153	24.1	73.7	Green Tree	-	203	203	202,000	8,380	1,320	772,000	32,000	5,040
			126	6.60	15.4	COP / PWSA	9.95	4.94	14.9	42,200	6,390	335	329,000	49,800	2,610
CC	C-29	CSO	448	22.1	50.6	TOTAL	26.8	30.2	57.0	139,000	6,280	310	708,000	32,100	1,580
			155	5.80	12.1	Green Tree	-	30.0	30.0	33,200	5,720	214	91,700	15,800	591
			293	16.3	38.5	COP / PWSA	26.8	0.179	27.0	106,000	6,480	360	617,000	37,800	2,100
CC	C-30	CSO	4,200	186	269	TOTAL	-	739	739	738,000	3,970	176	2,510,000	13,500	597
			2,550	131	182	Green Tree	-	498	498	497,000	3,810	195	1,690,000	12,900	662
			1,620	53.4	87.8	Scott	-	241	241	240,000	4,500	148	817,000	15,300	504
CC	C-31	CSO	39	NA	20.8	Carnegie	9.37	-	9.37	57,000	NA	1,460	565,000	NA	14,500
CC	C-33	SSO	1	0.374	0.328	Carnegie	-	0.935	0.935	898	2,400	898	3,870	10,300	3,870
CC	C-34	CSO	121	2.67	12.5	Carnegie	-	8.58	8.58	34,200	12,800	283	64,500	24,200	533
CC	C-34A	CSO	612	40.0	75.2	Carnegie	84.4	-	84.4	206,000	5,150	337	1,190,000	29,600	1,940
CC	C-35	CSO	2,180	109	116	Carnegie	57.9	276	334	319,000	2,930	147	1,830,000	16,800	840
CC	C-36	CSO	-	0.632	1.10	Carnegie	-	3.11	3.11	3,030	4,790	NA	13,000	20,600	NA
CC	C-37	CSO	1	NA	4.07	Carnegie	4.93	-	4.93	11,200	NA	11,200	202,000	NA	202,000
CC	C-38	CSO	-	0.426	0.311	Carnegie	1.65	-	1.65	853	2,000	NA	26,500	62,200	NA
			2,920	NA	260	TOTAL	67.6	148	216	714,000	NA	244	3,060,000	NA	1,050
			2,870	NA	245	Carnegie	67.6	126	193	673,000	NA	234	2,950,000	NA	1,030
CC	C-38A	CSO	55	NA	14.9	Robinson / MATR	-	22.5	22.5	40,900	NA	744	106,000	NA	1,920
			446	NA	31.7	Carnegie	33.0	-	33.0	86,900	NA	195	1,070,000	NA	2,400
			15	NA	-	Carnegie	5.79	-	5.79	-	NA	-	-	NA	-
CC	C-39	CSO	15	NA	-	Carnegie	5.79	-	5.79	-	NA	-	-	NA	-
CC	C-40 <sup>2</sup>	CSO	315	35.4	28.0	Carnegie	-	-	-	76,800	2,170	244	506,000	14,300	1,610
CC	C-41	CSO	716	4.77	15.5	Carnegie	15.3	-	15.3	42,600	8,920	59.5	283,000	59,400	396
CC	C-42	SSO	1,180	31.2	50.9	Scott	-	105	105	139,000	4,470	118	651,000	20,900	552
CC	C-43	CSO	52	NA	2.65	Carnegie	1.99	-	1.99	7,270	NA	140	101,000	NA	1,940
CC	C-44	CSO	53	NA	2.47	Carnegie	1.84	-	1.84	6,770	NA	128	86,500	NA	1,630
CC	C-44-08	DC Com	1,060	35.8	123	Carnegie	81.4	-	81.4	336,000	9,380	316	3,070,000	85,700	2,890
CC	C-44-12	DC San	4	0.761	1.10	Private Ownership (in Scott)	-	2.61	2.61	3,000	3,950	751	10,800	14,300	2,710
CC	C-45	SSO	603	18.0	24.6	Scott	-	48.6	48.6	67,500	3,750	112	232,000	12,900	385
CC	C-45A	SSO	2,650	132	74.6	TOTAL	-	464	464	204,000	1,550	77.2	1,980,000	15,000	749
			74	0.900	0.781	Carnegie	-	4.86	4.86	2,140	2,380	28.9	20,800	23,100	280
			2,250	119	68.9	Collier / Collier Twp Municipal Authority (CTMA) <sup>1</sup>	-	429	429	189,000	1,590	84.0	1,830,000	15,400	815
			328	12.1	4.95	Robinson/MATR	-	30.8	30.8	13,600	1,120	41.3	132,000	10,900	401
			36,800	665	764	TOTAL	81.1	2,660	2,740	2,090,000	3,150	56.9	7,800,000	11,700	212
CC	C-45B-04 <sup>3</sup>	DC Com	9,100	146	145	McDonald / McDonal Borough Sewer Authority (MBSA)	81.1	243	324	396,000	2,720	43.6	2,120,000	14,600	233
			18,200	355	423	North Fayette	-	1,650	1,650	1,160,000	3,260	63.7	3,870,000	10,900	213
			6,040	81.8	71.1	Oakdale / Oakdale Borough Authority(OBA)	-	277	277	195,000	2,380	32.2	651,000	7,960	108
			3,350	82.2	126	South Fayette / Municipal Authority of the Township of South Fayette (MATSF)	-	491	491	345,000	4,200	103	1,150,000	14,000	344
CC	C-45B-08	DC San	7,030	297	205	Collier / CTMA <sup>1</sup>	-	1,250	1,250	562,000	1,890	80.0	4,840,000	16,300	689
CC	C-46	SSO	1,280	48.9	62.0	Heidelberg	-	159	159	170,000	3,470	132	1,020,000	20,900	798
CC	C-47	SSO	380	12.7	12.1	Scott	-	30.1	30.1	33,200	2,620	87.4	163,000	12,800	428

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							I Combined Area (acres)	J Sanitary Area (acres)	L Total Area (acres)	M (gpd)	O (gpimd)	P (gpcd)	Q (gpd)	R (gpimd)	S (gpcd)
CC	C-48	SSO	9,320	254	501	TOTAL	-	961	961	1,370,000	5,400	147	3,450,000	13,600	370
			22	1.00	2.07	Carnegie	-	3.97	3.97	5,670	5,670	258	14,200	14,200	647
			2,060	96.9	133	Mt. Lebanon	-	256	256	365,000	3,770	177	919,000	9,480	446
			7,230	157	365	Scott	-	701	701	1,000,000	6,390	138	2,520,000	16,100	348
CC	C-49	SSO	6,930	244	464	TOTAL	-	946	946	1,270,000	5,210	184	4,580,000	18,800	660
			3,870	112	188	Mt. Lebanon	-	383	383	515,000	4,590	133	1,850,000	16,500	479
			3,070	132	277	Scott	-	563	563	758,000	5,750	247	2,730,000	20,700	889
CC	C-50	SSO	101	20.4	12.4	TOTAL	-	125	125	34,000	1,670	337	191,000	9,350	1,890
			93	16.8	8.58	Collier / CTMA <sup>1</sup>	-	86.3	86.3	23,500	1,400	253	132,000	7,850	1,420
			-	3.60	3.84	Scott	-	38.6	38.6	10,500	2,920	NA	59,000	16,400	NA
CC	C-50A	SSO	34	1.28	1.92	Scott	-	11.0	11.0	5,250	4,100	154	23,600	18,400	695
CC	C-50A-06	DC San	166	11.0	86.8	Collier / CTMA <sup>1</sup>	-	100	100	238,000	21,600	1,430	654,000	59,400	3,940
CC	C-50A-12	DC San	151	10.2	11.0	Collier / CTMA <sup>1</sup>	-	58.6	58.6	30,000	2,940	199	134,000	13,200	891
CC	C-50B	SSO	285	10.8	119	Scott	-	42.9	42.9	327,000	30,200	1,150	1,320,000	122,000	4,630
CC	C-51PS	DC San	58	NA	36.7	Scott	-	9.35	9.35	101,000	NA	1,730	459,000	NA	7,920
CC	C-51TS	CSO	758	23.5	-	Scott	-	139	139	-	-	-	-	-	-
CC	C-52	SSO	260	19.0	42.4	Collier / CTMA <sup>1</sup>	-	86.6	86.6	116,000	6,120	447	431,000	22,700	1,660
CC	C-53	SSO	24,400	919	1,610	TOTAL	-	2,730	2,730	4,400,000	4,790	181	11,700,000	12,700	479
			1,280	11.0	47.4	Bethel Park / Bethel Park Municipal Authority (BPMA)	-	80.4	80.4	130,000	11,800	101	344,000	31,300	269
			66	1.30	3.15	Castle Shannon	-	5.34	5.34	8,620	6,630	131	22,900	17,600	347
			16,900	583	1,020	Mt. Lebanon	-	1,740	1,740	2,800,000	4,810	166	7,430,000	12,700	441
			3,140	109	177	Scott	-	301	301	486,000	4,480	155	1,290,000	11,900	410
			3,010	213	356	Upper St. Clair	-	604	604	975,000	4,590	324	2,590,000	12,200	860
CC	C-53-06	DC San	-	1.09	8.77	Private Ownership (in Bridgeville/Collier)	-	79.9	79.9	24,000	22,100	NA	38,500	35,300	NA
CC	C-53-08	DC San	185	8.29	5.32	Bridgeville	-	19.8	19.8	14,600	1,760	78.8	55,100	6,650	298
CC	C-53-10	DC San	20,200	1,160	1,300	TOTAL	-	4,380	4,380	3,550,000	3,060	176	18,900,000	16,300	934
			8,400	423	517	Bethel Park / BPMA	-	1,750	1,750	1,420,000	3,350	169	7,530,000	17,800	897
			2,690	131	100	Bridgeville	-	338	338	274,000	2,080	102	1,460,000	11,100	541
			9,110	603	679	Upper St. Clair	-	2,290	2,290	1,860,000	3,090	204	9,890,000	16,400	1,090
CC	C-54	SSO	2,200	83.5	85.0	Bridgeville	-	230	230	233,000	2,790	106	1,090,000	13,000	496
CC	C-54-06	DC San	10	NA	6.53	Collier / CTMA <sup>1</sup>	-	40.7	40.7	17,900	NA	1,790	59,200	NA	5,920
CC	C-54-07	DC San	1	5.61	6.16	Collier / CTMA <sup>1</sup>	-	39.6	39.6	16,900	3,010	16,900	57,100	10,200	57,100
CC	C-54-12	DC San	5,290	259	179	TOTAL	-	1,280	1,280	490,000	1,890	92.7	1,200,000	4,620	226
			4,550	218	145	Collier / CTMA <sup>1</sup>	-	1,040	1,040	396,000	1,820	87.1	968,000	4,450	213
			744	41.1	34.3	South Fayette / MATSF	-	246	246	94,000	2,290	126	230,000	5,590	309
CC	C-54-16	DC Com	27,700	1,120	1,480	TOTAL	-	3,820	3,820	4,040,000	3,610	146	10,700,000	9,560	387
			16	2.80	3.77	Cecil	-	9.76	9.76	10,300	3,690	646	27,300	9,760	1,710
			27,600	1,120	1,470	South Fayette / MATSF	-	3,810	3,810	4,030,000	3,610	146	10,700,000	9,550	386
CC	C-54-18	DC San	80	5.02	4.10	Bridgeville Borough	-	12.1	12.1	11,200	2,240	141	21,500	4,280	269
CC	C-54-20	DC San	-	NA	8.98	South Fayette / MATSF	-	46.0	46.0	24,600	NA	NA	186,000	NA	NA
CC	C-55	SSO	303	14.9	48.9	Bridgeville	-	46.1	46.1	134,000	9,000	442	581,000	39,000	1,920
CC	C-55-02	DC San	11,900	549	655	TOTAL	-	2,280	2,280	1,790,000	3,270	150	4,230,000	7,710	355
			188	7.60	15.5	Bethel Park / BPMA	-	54.1	54.1	42,500	5,590	226	100,000	13,200	533
			329	8.80	13.7	Peters	-	47.8	47.8	37,500	4,260	114	88,500	10,100	269
			11,400	533	626	Upper St. Clair	-	2,180	2,180	1,710,000	3,220	150	4,040,000	7,590	354
CC	O-06PS	DC Com	2,490	172	906	TOTAL	383	-	383	2,480,000	14,400	995	12,000,000	69,900	4,820
			2,150	140	542	McKees Rocks	229	-	229	1,490,000	10,600	692	7,200,000	51,500	3,350
			346	32.0	363	Stowe	153	-	153	995,000	31,100	2,880	4,820,000	151,000	13,900



Table C (Revised April 19, 2016)

ALCOSAN Response to Paragraph 30 of USEPA Information Requirement, Dated June 3, 2015 as Modified October 15, 2015, Table C

= Municipal points of connection  
 = Multi-municipal points of connection

A Planning Basin	B ALCOSAN Point of Connection	C Type of Point of Connection	D Estimated Future Service Population*	E Estimated Public Sewers (inch-miles)*	F Typical Year Flow Contribution (MG)	G Contributing Municipality/Authority	H Approximate Tributary Area for Estimating Flow Contributions in Multi-Municipal POC Sewersheds			K Estimated Annual Average Flow Contribution for Typical Year			N Estimated Maximum Day Flow Contribution for Typical Year		
							I Combined Area (acres)	J Sanitary Area (acres)	L Total Area (acres)	M (gpd)	O (gpimd)	P (gpacd)	Q (gpd)	R (gpimd)	S (gpacd)
CC	O-06TS	CSO	270	19.8	-	McKees Rocks	34.7	-	34.7	-	-	-	-	-	-
CC	O-08	CSO	138	14.6	14.4	COP / PWSA	17.8	-	17.8	39,500	2,700	286	735,000	50,300	5,320
CC	O-09	CSO	52	7.00	9.20	COP / PWSA	13.2	-	13.2	25,200	3,600	485	330,000	47,100	6,340
CC	O-10	CSO	13	3.73	4.62	COP / PWSA	7.88	-	7.88	12,600	3,390	973	160,000	42,900	12,300
CC	O-11 <sup>4</sup>	CSO	15	17.2	22.0	NA	NA	NA	NA	60,200	3,500	4,010	752,000	43,700	50,100
CC	O-13	CSO	5,160	444	688	COP / PWSA	670	4.53	675	1,880,000	4,250	366	12,200,000	27,500	2,370
CC	CC Growth Areas (Not a POC)	NA	1,220	NA	125	NA	NA	NA	NA	343,000	NA	281	1,860,000	NA	1,530
LOGR	A-62PS	DC San	180	6.28	21.1	COP / PWSA	-	48.2	48.2	57,900	9,220	322	197,000	31,400	1,100
LOGR	A-62TS	CSO	26	8.91	6.74	COP / PWSA	18.9	-	18.9	18,500	2,070	710	245,000	27,500	9,430
LOGR	A-63 <sup>5</sup>	CSO	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LOGR	A-64	CSO	1,150	54.2	57.6	COP / PWSA	54.0	-	54.0	158,000	2,910	137	1,180,000	21,800	1,020
LOGR	A-65	CSO	679	26.6	77.2	TOTAL	16.6	44.3	18.6	212,000	7,950	312	1,050,000	39,500	1,550
			672	15.6	43.8	COP / PWSA	16.6	-	16.6	120,000	7,690	179	779,000	49,900	1,160
			7	-	33.4	Reserve	-	44.3	2.00	91,500	NA	13,100	272,000	NA	38,800
LOGR	A-66 <sup>6</sup>	CSO	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LOGR	A-66-02 (included w/ A-65)	CSO	NA	NA	NA	COP / PWSA	-	2.14	2.14						
LOGR	A-67 <sup>7</sup>	CSO	39,100	NA	2,800	TOTAL	788	5,250	6,040	7,680,000	NA	196	25,700,000	NA	658
			40	NA	18.3	McCandless	-	53.0	53.0	50,100	NA	1,250	123,000	NA	3,090
			4,290	NA	319	Millvale	254	-	254	874,000	NA	204	4,360,000	NA	1,020
			567	NA	46.8	Reserve	-	136	136	128,000	NA	226	316,000	NA	557
			18,200	NA	1,250	Ross	-	3,610	3,610	3,420,000	NA	188	8,420,000	NA	462
			8,550	NA	493	Shaler	0.00	1,430	1,430	1,350,000	NA	158	3,330,000	NA	389
			7,450	NA	678	West View / Municipal Authority of West View (MAWV)	534	25.1	559	1,860,000	NA	249	9,200,000	NA	1,240
LOGR	O-01	CSO	1,200	NA	90.3	TOTAL	88.0	73.3	161	247,000	NA	207	793,000	NA	663
			445	NA	17.6	Kennedy	-	73.3	73.3	48,100	NA	108	90,500	NA	203
			750	NA	72.7	Stowe	88.0	-	88.0	199,000	NA	266	702,000	NA	936
LOGR	O-01-08	DC San	1,110	NA	151	Neville	-	741	741	415,000	NA	373	660,000	NA	593
LOGR	O-02	CSO	253	8.78	22.2	Stowe	14.2	-	14.2	60,800	6,920	240	506,000	57,600	2,000
LOGR	O-03	CSO	257	25.6	85.0	Stowe	43.9	-	43.9	233,000	9,090	906	1,440,000	56,400	5,620
LOGR	O-03-02	DC San	1,770	NA	165	Kennedy	-	341	341	451,000	NA	255	796,000	NA	450
LOGR	O-04	CSO	1,350	132	164	Stowe	255	-	255	450,000	3,410	333	4,020,000	30,500	2,980
LOGR	O-05A	CSO	101	2.78	6.49	Stowe	6.42	-	6.42	17,800	6,400	176	238,000	85,700	2,360
LOGR	O-05B	CSO	294	5.84	36.3	Stowe	74.0	-	74.0	99,600	17,000	339	735,000	126,000	2,500
LOGR	O-15 <sup>8</sup>	SSO	27,100	1,420	1,540	TOTAL	-	7,280	7,280	4,230,000	2,980	156	11,200,000	7,900	414
			2,660	79.7	57.3	Emsworth	-	270	270	157,000	1,970	59.0	417,000	5,230	157
			4,890	309	425	Franklin Park	-	2,010	2,010	1,170,000	3,770	238	3,090,000	10,000	633
			279	27.7	22.8	Kilbuck	-	108	108	62,500	2,260	224	166,000	5,990	595
			9,850	487	455	McCandless	-	2,150	2,150	1,250,000	2,560	127	3,310,000	6,810	336
			3,300	238	263	Ohio Township / OTSA	-	1,240	1,240	721,000	3,030	218	1,910,000	8,040	580
			5,920	265	312	Ross	-	1,470	1,470	856,000	3,230	144	2,270,000	8,590	384
			238	10.0	6.50	West View / Municipal Authority of West View (MAWV)	-	30.7	30.7	17,800	1,780	74.8	47,300	4,730	199
LOGR	O-16	SSO	263	NA	13.9	TOTAL	-	37.5	37.5	38,000	NA	144	156,000	NA	592
			210	NA	8.97	Ben Avon	-	24.3	24.3	24,600	NA	117	101,000	NA	480
			12	NA	1.93	Emsworth	-	5.21	5.21	5,280	NA	440	21,600	NA	1,800
			41	NA	2.96	Kilbuck	-	8.00	8.00	8,100	NA	198	33,200	NA	810
LOGR	O-16Z	SSO	747	24.1	37.6	TOTAL	-	83.7	83.7	103,000	4,270	138	544,000	22,600	729
			734	23.8	34.8	Ben Avon	-	77.5	77.5	95,300	4,000	130	504,000	21,200	686
			13	0.300	2.79	Kilbuck	-	6.21	6.21	7,640	25,500	588	40,400	135,000	3,110
LOGR	O-17	SSO	94	2.55	7.02	Ben Avon	-	11.8	11.8	19,200	7,540	205	80,300	31,500	855



Table C (Revised April 19, 2016)

ALCOSAN Response to Paragraph 30 of USEPA Information Requirement, Dated June 3, 2015 as Modified October 15, 2015, Table C

= Municipal points of connection  
 = Multi-municipal points of connection

A Planning Basin	B ALCOSAN Point of Connection	C Type of Point of Connection	D Estimated Future Service Population*	E Estimated Public Sewers (inch-miles)*	F Typical Year Flow Contribution (MG)	G Contributing Municipality/Authority	H Approximate Tributary Area for Estimating Flow Contributions in Multi-Municipal POC Sewersheds			I Estimated Annual Average Flow Contribution for Typical Year			J Estimated Maximum Day Flow Contribution for Typical Year		
							K Combined Area (acres)	L Sanitary Area (acres)	M Total Area (acres)	N (gpd)	O (gpimd)	P (gpcd)	Q (gpd)	R (gpimd)	S (gpcd)
LOGR	O-18	SSO	8,480	261	1,150	TOTAL	-	848	848	3,150,000	12,100	372	7,010,000	26,800	827
			2,290	84.9	241	Avalon	-	178	178	659,000	7,760	288	1,470,000	17,300	641
			2,960	49.0	268	Bellevue	-	198	198	734,000	15,000	248	1,630,000	33,300	551
			356	20.8	38.9	Ben Avon	-	28.7	28.7	107,000	5,130	300	237,000	11,400	666
			401	20.2	106	Ben Avon Heights	-	78.0	78.0	290,000	14,300	722	644,000	31,900	1,610
			127	2.70	25.9	Kilbuck	-	19.1	19.1	70,900	26,200	558	158,000	58,400	1,240
			2,270	84.8	460	Ross	-	339	339	1,260,000	14,900	555	2,800,000	33,000	1,230
			72	2.70	11.1	West View / MAWV	-	8.21	8.21	30,500	11,300	423	67,800	25,100	941
LOGR	O-18Y	SSO	205	3.00	8.42	Ben Avon	-	10.9	10.9	23,100	7,690	113	79,800	26,600	389
LOGR	O-18Z	SSO	384	11.4	22.5	Ben Avon	-	35.5	35.5	61,500	5,400	160	244,000	21,400	635
LOGR	O-19	SSO	1,380	37.3	67.6	Avalon	-	80.1	80.1	185,000	4,960	135	830,000	22,300	603
LOGR	O-20	SSO	1,180	25.0	100	Avalon	-	70.2	70.2	275,000	11,000	232	661,000	26,400	558
LOGR	O-21	SSO	801	29.0	115	TOTAL	-	81.4	81.4	316,000	10,900	394	906,000	31,200	1,130
			135	3.10	14.4	Avalon	-	10.2	10.2	39,500	12,700	293	113,000	36,500	839
			666	26.4	101	Bellevue	-	71.2	71.2	276,000	10,500	415	792,000	30,000	1,190
LOGR	O-22	SSO	378	8.09	23.0	Bellevue	-	37.4	37.4	63,000	7,790	167	272,000	33,600	720
LOGR	O-23	SSO	1,410	23.1	119	Bellevue	-	75.7	75.7	326,000	14,100	231	1,730,000	74,800	1,230
LOGR	O-24	SSO	918	14.3	112	Bellevue	-	51.6	51.6	306,000	21,400	333	1,080,000	75,200	1,170
LOGR	O-25PS	DC San	6,730	213	363	TOTAL	-	592	592	995,000	4,670	148	2,860,000	13,400	425
			3,060	67.0	103	Bellevue	-	168	168	283,000	4,220	92.6	814,000	12,100	266
			3,650	8.80	256	Ross	-	417	417	701,000	79,700	192	2,020,000	229,000	553
			21	131	3.91	COP / PWSA	-	6.38	6.38	10,700	81.7	510	30,800	235	1,470
LOGR	O-25TS	CSO	3,670	190	435	COP / PWSA	260	15.5	275	1,190,000	6,280	325	6,120,000	32,200	1,670
LOGR	O-26	CSO	844	45.3	48.4	COP / PWSA	55.1	-	55.1	133,000	2,930	157	1,070,000	23,600	1,270
LOGR	O-26A	DC Com	-	-	10.9	ALCOSAN	16.3	-	16.3	29,900	NA	NA	344,000	NA	NA
MR	A-01	CSO	136	11.7	42.6	COP / PWSA	8.26	31.5	39.8	117,000	9,980	859	523,000	44,700	3,850
MR	A-02	CSO	68	0.915	5.20	COP / PWSA	1.21	-	1.21	14,300	15,600	210	105,000	114,000	1,540
MR	A-03	CSO	68	-	7.97	COP / PWSA	1.68	-	1.68	21,800	NA	321	119,000	NA	1,750
MR	A-04	CSO	134	30.2	270	COP / PWSA	19.2	-	19.2	739,000	24,500	5,510	1,910,000	63,300	14,300
MR	A-05	CSO	36	5.88	98.3	COP / PWSA	4.79	-	4.79	269,000	45,800	7,480	605,000	103,000	16,800
MR	A-06	CSO	134	20.9	120	COP / PWSA	11.0	-	11.0	327,000	15,700	2,440	725,000	34,700	5,410
MR	A-07	CSO	165	8.39	100	COP / PWSA	7.37	-	7.37	275,000	32,800	1,670	720,000	85,800	4,370
MR	A-08	CSO	242	1.78	7.67	COP / PWSA	2.43	-	2.43	21,000	11,800	86.8	191,000	108,000	791
MR	A-09	CSO	33	31.0	732	COP / PWSA	22.5	-	22.5	2,010,000	64,700	60,800	2,950,000	95,200	89,400
MR	A-10	CSO	-	20.0	41.8	COP / PWSA	10.9	-	10.9	114,000	5,720	NA	682,000	34,100	NA
MR	A-11	CSO	13	6.88	22.4	COP / PWSA	5.52	-	5.52	61,400	8,930	4,730	539,000	78,300	41,500
MR	A-12	CSO	814	67.6	325	COP / PWSA	70.2	-	70.2	889,000	13,200	1,090	3,130,000	46,400	3,850
MR	A-13	CSO	-	9.66	77.0	COP / PWSA	8.22	10.2	18.4	211,000	21,800	NA	764,000	79,100	NA
MR	A-14	CSO	538	60.2	314	COP / PWSA	71.9	-	71.9	861,000	14,300	1,600	1,170,000	19,500	2,180
MR	A-14Z	CSO	12	15.8	43.1	COP / PWSA	27.9	-	27.9	118,000	7,470	9,840	681,000	43,100	56,700
MR	A-15	CSO	-	17.1	38.4	COP / PWSA	24.6	15.4	39.9	105,000	6,140	NA	1,030,000	60,400	NA
MR	A-16	CSO	-	15.6	29.6	COP / PWSA	20.5	-	20.5	81,200	5,200	NA	1,130,000	72,500	NA
MR	A-17	CSO	4	20.7	35.9	COP / PWSA	26.8	-	26.8	98,300	4,750	24,600	1,220,000	58,900	305,000
MR	A-18	CSO	183	20.1	62.7	COP / PWSA	41.6	-	41.6	172,000	8,550	939	1,930,000	95,800	10,500
MR	A-18X	CSO	114	7.68	36.6	COP / PWSA	20.7	-	20.7	100,000	13,100	880	1,000,000	130,000	8,790
MR	A-18Y	CSO	-	2.05	9.91	COP / PWSA	4.90	-	4.90	27,200	13,200	NA	215,000	105,000	NA
MR	A-18Z	CSO	1	1.57	6.08	COP / PWSA	3.40	-	3.40	16,700	10,600	16,700	123,000	78,400	123,000
MR	A-19X	CSO	223	66.6	168	COP / PWSA	118	-	118	461,000	6,930	2,070	2,570,000	38,700	11,500
MR	A-19Y	CSO	147	17.2	28.4	COP / PWSA	39.3	-	39.3	77,700	4,520	529	1,000,000	58,300	6,820

Table C (Revised April 19, 2016)


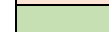
ALCOSAN Response to Paragraph 30 of USEPA Information Requirement, Dated June 3, 2015 as Modified October 15, 2015, Table C

= Municipal points of connection  
 = Multi-municipal points of connection

A Planning Basin	B ALCOSAN Point of Connection	C Type of Point of Connection	D Estimated Future Service Population*	E Estimated Public Sewers (inch-miles)*	F Typical Year Flow Contribution (MG)	G Contributing Municipality/Authority	H Approximate Tributary Area for Estimating Flow Contributions in Multi-Municipal POC Sewersheds			K Estimated Annual Average Flow Contribution for Typical Year			N Estimated Maximum Day Flow Contribution for Typical Year		
							I Combined Area (acres)	J Sanitary Area (acres)	L Total Area (acres)	M (gpd)	O (gpimd)	P (gpacd)	Q (gpd)	R (gpimd)	S (gpacd)
MR	A-19Z	CSO	13	4.67	10.5	COP / PWSA	5.52	-	5.52	28,600	6,130	2,200	351,000	75,200	27,000
MR	A-20	CSO	87	35.4	74.5	COP / PWSA	51.1	-	51.1	204,000	5,770	2,350	2,710,000	76,500	31,100
MR	A-20Z	CSO	-	0.0237	2.70	COP / PWSA	3.23	-	3.23	7,390	312,000	NA	41,600	1,760,000	NA
MR	A-21	CSO	428	46.3	58.2	COP / PWSA	49.7	-	49.7	159,000	3,440	373	1,830,000	39,500	4,270
MR	A-22	CSO	33,400	1,750	4,210	COP / PWSA	1,610	-	1,610	11,500,000	6,580	345	65,700,000	37,600	1,970
MR	A-23	CSO	4,500	287	315	COP / PWSA	245	36.3	281	863,000	3,010	192	8,290,000	28,900	1,840
MR	A-25	CSO	427	25.4	52.9	COP / PWSA	40.7	-	40.7	145,000	5,700	339	1,810,000	71,400	4,250
MR	A-26	CSO	406	19.4	59.4	COP / PWSA	54.4	-	54.4	163,000	8,390	401	1,940,000	100,000	4,780
MR	A-27	CSO	954	25.0	31.6	COP / PWSA	33.1	-	33.1	86,500	3,460	90.7	587,000	23,500	615
MR	A-27Z	CSO	2	14.8	126	COP / PWSA	20.9	3.70	24.6	345,000	23,300	172,000	1,400,000	94,400	699,000
MR	A-28	CSO	2,510	112	346	COP / PWSA	111	24.2	135	949,000	8,470	378	6,070,000	54,200	2,420
MR	A-29	CSO	846	63.6	302	COP / PWSA	107	-	107	827,000	13,000	977	3,240,000	51,000	3,840
MR	A-29Z	CSO	4,000	336	510	COP / PWSA	622	-	622	1,400,000	4,160	349	8,700,000	25,900	2,170
MR	A-30	CSO	-	6.68	50.4	COP / PWSA	23.5	-	23.5	138,000	20,700	NA	725,000	109,000	NA
MR	A-31	CSO	52	13.1	22.0	COP / PWSA	20.0	-	20.0	60,200	4,590	1,160	829,000	63,300	16,000
MR	A-32	CSO	1,930	86.7	271	COP / PWSA	84.6	-	84.6	742,000	8,560	384	3,830,000	44,100	1,980
MR	A-33	CSO	638	37.1	64.4	COP / PWSA	47.4	-	47.4	176,000	4,760	277	1,450,000	39,200	2,280
MR	A-34	CSO	220	22.2	45.5	COP / PWSA	45.5	-	45.5	125,000	5,610	566	1,620,000	72,800	7,340
MR	A-46	DC San	-	11.9	34.1	COP / PWSA	-	61.8	61.8	93,400	7,850	NA	350,000	29,400	NA
MR	A-47	CSO	193	76.8	216	COP / PWSA	15.3	-	15.3	593,000	7,720	3,070	1,090,000	14,100	5,630
MR	A-48	CSO	5,920	561	1,670	COP / PWSA	509	26.6	535	4,570,000	8,140	772	17,000,000	30,300	2,880
MR	A-49	CSO	-	7.30	14.3	COP / PWSA	6.40	-	6.40	39,300	5,380	NA	430,000	58,900	NA
MR	A-50	CSO	246	35.1	90.9	COP / PWSA	38.2	-	38.2	249,000	7,090	1,010	1,360,000	38,900	5,550
MR	A-51	CSO	1,740	143	296	COP / PWSA	105	4.33	110	811,000	5,670	465	3,340,000	23,300	1,920
MR	A-55 <sup>9</sup>	CSO	-	NA	NA		-	-	-	NA	NA	NA	NA	NA	NA
MR	A-56	CSO	312	7.75	37.3	COP / PWSA	6.18	24.8	31.0	102,000	13,200	327	752,000	97,000	2,410
MR	A-58	CSO	6,210	469	1,900	COP / PWSA	1,050	-	1,050	5,200,000	11,100	838	20,100,000	42,800	3,230
MR	A-59	CSO	7	10.0	15.9	COP / PWSA	13.2	-	13.2	43,700	4,370	6,240	642,000	64,200	91,700
MR	A-59Z	CSO	10	4.52	9.71	COP / PWSA	10.9	-	10.9	26,600	5,890	2,660	312,000	69,000	31,200
MR	A-60	CSO	8,910	713	2,190	TOTAL	498	627	1,120	6,010,000	8,430	675	23,700,000	33,200	2,660
			6,040	580	1,670	COP / PWSA	498	58.8	557	4,580,000	7,890	758	20,400,000	35,200	3,380
			2,830	150	508	Reserve	-	550	550	1,390,000	9,280	491	3,150,000	21,000	1,110
			39	-	17.2	Ross	-	18.6	18.6	47,100	NA	1,210	107,000	NA	2,730
MR	A-61	CSO	-	3.07	21.9	COP / PWSA	16.5	-	16.5	60,000	19,600	NA	869,000	283,000	NA
MR	M-01	CSO	8	4.94	37.8	COP / PWSA	10.9	-	10.9	104,000	21,000	12,900	544,000	110,000	68,000
MR	M-02	CSO	94	2.83	8.93	COP / PWSA	3.08	-	3.08	24,500	8,650	260	185,000	65,500	1,970
MR	M-03	CSO	1,300	65.3	440	COP / PWSA	51.4	-	51.4	1,200,000	18,400	928	4,170,000	63,900	3,210
MR	M-04	CSO	-	11.8	19.8	COP / PWSA	9.63	-	9.63	54,100	4,590	NA	262,000	22,200	NA
MR	M-04A	CSO	16	7.78	9.66	COP / PWSA	3.85	-	3.85	26,500	3,400	1,650	118,000	15,200	7,390
MR	M-04B	CSO	-	0.606	2.10	COP / PWSA	0.837	-	0.837	5,740	9,470	NA	25,100	41,400	NA
MR	M-04D	CSO	-	1.68	2.85	COP / PWSA	1.13	-	1.13	7,800	4,640	NA	35,300	21,000	NA
MR	M-05	CSO	9,710	423	1,350	COP / PWSA	406	-	406	3,710,000	8,770	382	10,200,000	24,100	1,050
MR	M-06	CSO	548	87.5	307	COP / PWSA	153	109	263	842,000	9,620	1,540	4,660,000	53,300	8,510
MR	M-07	CSO	26	4.90	20.8	COP / PWSA	11.8	-	11.8	57,000	11,600	2,190	730,000	149,000	28,100
MR	M-08	CSO	64	5.06	12.2	COP / PWSA	13.0	-	13.0	33,400	6,610	523	264,000	52,200	4,130
MR	M-10	CSO	2,140	156	184	COP / PWSA	168	-	168	504,000	3,230	236	4,740,000	30,400	2,220
MR	M-11	CSO	136	11.2	77.8	COP / PWSA	16.4	-	16.4	213,000	19,000	1,570	700,000	62,500	5,150
MR	M-12	CSO	212	14.7	33.8	COP / PWSA	24.3	-	24.3	92,600	6,300	437	1,030,000	70,200	4,870
MR	M-12Z	CSO	2	0.769	2.44	COP / PWSA	1.58	-	1.58	6,680	8,690	3,340	67,600	87,900	33,800

Table C (Revised April 19, 2016)

ALCOSAN Response to Paragraph 30 of USEPA Information Requirement, Dated June 3, 2015 as Modified October 15, 2015, Table C

 = Municipal points of connection  
 = Multi-municipal points of connection

A Planning Basin	B ALCOSAN Point of Connection	C Type of Point of Connection	D Estimated Future Service Population*	E Estimated Public Sewers (inch-miles)*	F Typical Year Flow Contribution (MG)	G Contributing Municipality/Authority	H Approximate Tributary Area for Estimating Flow Contributions in Multi-Municipal POC Sewersheds			K Estimated Annual Average Flow Contribution for Typical Year			N Estimated Maximum Day Flow Contribution for Typical Year		
							I Combined Area (acres)	J Sanitary Area (acres)	L Total Area (acres)	M (gpd)	O (gpimd)	P (gpcd)	Q (gpd)	R (gpimd)	S (gpcd)
MR	M-13	CSO	188	8.53	20.2	COP / PWSA	9.39	-	9.39	55,300	6,490	294	463,000	54,200	2,460
MR	M-14	CSO	479	15.6	20.6	COP / PWSA	9.42	7.80	17.2	56,500	3,620	118	430,000	27,600	898
MR	M-15	CSO	180	7.64	16.2	COP / PWSA	10.0	-	10.0	44,300	5,800	246	333,000	43,600	1,850
MR	M-15Z	CSO	300	13.6	24.4	COP / PWSA	8.60	5.58	14.2	67,000	4,920	223	501,000	36,800	1,670
MR	M-16	CSO	3,520	243	864	COP / PWSA	296	-	296	2,370,000	9,740	673	11,600,000	47,900	3,310
MR	M-17	CSO	195	7.06	13.2	COP / PWSA	8.80	-	8.80	36,300	5,140	186	453,000	64,100	2,320
MR	M-18	CSO	271	11.1	13.8	COP / PWSA	11.7	-	11.7	37,800	3,410	140	404,000	36,400	1,490
MR	M-19	DC Com	6,770	534	690	COP / PWSA	567	-	567	1,890,000	3,540	279	9,600,000	18,000	1,420
MR	M-19-10	DC San	-	3.27	25.3	COP / PWSA	-	32.4	32.4	69,400	21,200	NA	380,000	116,000	NA
MR	M-19B	CSO	1,950	49.1	153	COP / PWSA	77.9	-	77.9	418,000	8,520	215	2,750,000	56,100	1,410
MR	M-19B-06	DC San	-	0.955	13.3	COP / PWSA	-	18.7	18.7	36,500	38,200	NA	179,000	187,000	NA
MR	M-19B-10	DC San	-	3.67	29.8	COP / PWSA	-	38.8	38.8	81,600	22,200	NA	449,000	122,000	NA
MR	M-19W	CSO	2,360	123	535	COP / PWSA	123	-	123	1,470,000	11,900	622	7,680,000	62,400	3,250
MR	M-19X	CSO	1,140	22.0	45.4	COP / PWSA	30.0	-	30.0	124,000	5,650	109	1,340,000	60,900	1,180
MR	M-19Y	CSO	2,580	79.7	361	COP / PWSA	96.8	-	96.8	990,000	12,400	384	3,500,000	43,900	1,360
MR	M-20	CSO	255	14.6	31.6	COP / PWSA	10.7	-	10.7	86,500	5,920	339	680,000	46,500	2,670
MR	M-21	CSO	1,590	106	163	COP / PWSA	65.4	-	65.4	447,000	4,220	282	2,470,000	23,300	1,560
MR	M-22	CSO	1,530	120	243	COP / PWSA	108	-	108	665,000	5,540	434	2,120,000	17,700	1,380
MR	M-23	CSO	403	NA	44.0	COP / PWSA	13.9	41.7	55.5	121,000	NA	299	344,000	NA	855
MR	M-24	CSO	18	8.05	5.15	COP / PWSA	4.09	-	4.09	14,100	1,750	784	177,000	22,000	9,850
MR	M-26	CSO	299	38.6	50.1	COP / PWSA	49.4	-	49.4	137,000	3,560	459	1,280,000	33,200	4,290
MR	M-27	CSO	1,350	112	85.1	COP / PWSA	121	12.4	134	233,000	2,080	172	2,160,000	19,300	1,600
MR	M-28	CSO	188	NA	31.2	COP / PWSA	2.00	97.9	99.9	85,500	NA	455	153,000	NA	812
MR	M-29	CSO	42,400	1,840	3,350	COP / PWSA	2,380	-	2,380	9,170,000	4,980	216	48,500,000	26,400	1,140
MR	O-27	CSO	8,800	716	1,300	TOTAL	1,170	56.6	1,230	3,560,000	4,970	404	15,400,000	21,600	1,760
			8,610	704	1,280	COP / PWSA	1,170	0.0627	1,170	3,510,000	4,980	408	15,300,000	21,800	1,780
			191	9.40	17.4	Ross	-	56.6	56.6	47,700	5,080	250	106,000	11,200	553
MR	O-28	DC San	1,880	11.6	38.5	COP / PWSA	-	66.8	66.8	106,000	9,100	56.1	303,000	26,200	161
MR	O-29PS	DC Com	1,180	69.9	132	COP / PWSA	122	5.27	127	360,000	5,150	305	1,350,000	19,300	1,140
MR	O-29TS	CSO	-	4.96	11.5	COP / PWSA	10.7	-	10.7	31,600	6,360	NA	314,000	63,200	NA
MR	O-30PS	DC Com	913	69.4	128	COP / PWSA	140	-	140	351,000	5,050	384	1,040,000	15,000	1,140
MR	O-30TS	CSO	-	-	0.135	COP / PWSA	-	-	-	371	NA	NA	41,700	NA	NA
MR	O-31	CSO	1	0.800	8.99	COP / PWSA	7.20	-	7.20	24,600	30,800	24,600	316,000	395,000	316,000
MR	O-32	CSO	232	71.7	71.0	COP / PWSA	71.6	-	71.6	194,000	2,710	838	2,500,000	34,900	10,800
MR	O-33	CSO	5,430	457	1,180	COP / PWSA	422	-	422	3,220,000	7,050	593	8,060,000	17,600	1,480
MR	O-34	CSO	1,060	107	281	COP / PWSA	98.9	-	98.9	770,000	7,190	730	5,030,000	47,000	4,770
MR	O-35	CSO	-	2.41	4.96	COP / PWSA	3.72	-	3.72	13,600	5,640	NA	195,000	81,000	NA
MR	O-36	CSO	-	9.00	25.0	COP / PWSA	17.5	-	17.5	68,600	7,630	NA	1,030,000	114,000	NA
MR	O-37	CSO	-	3.08	12.7	COP / PWSA	10.1	-	10.1	34,800	11,300	NA	464,000	151,000	NA
MR	O-38	CSO	1,070	80.4	95.1	COP / PWSA	76.0	-	76.0	261,000	3,240	244	3,100,000	38,600	2,900
MR	O-39	CSO	103	26.3	50.1	COP / PWSA	51.1	-	51.1	137,000	5,210	1,330	1,600,000	60,700	15,500
MR	O-40	CSO	-	1.89	6.07	COP / PWSA	4.23	-	4.23	16,600	8,790	NA	213,000	112,000	NA
MR	O-41	CSO	3	19.7	46.9	COP / PWSA	38.2	-	38.2	128,000	6,520	42,800	1,930,000	97,900	643,000
MR	O-43	CSO	1	36.6	154	COP / PWSA	13.3	42.3	55.7	421,000	11,500	421,000	920,000	25,100	920,000
SM	MH-03A	DC San	5	2.33	2.68	COP / PWSA	-	4.94	4.94	7,340	3,150	1,470	27,100	11,600	5,420
SM	MH-08	DC San	1	1.23	2.96	COP / PWSA	-	3.41	3.41	8,100	6,590	8,100	21,000	17,100	21,000
SM	MH-09B	DC San	94	3.23	19.6	COP / PWSA	-	22.5	22.5	53,700	16,600	572	139,000	43,100	1,480

Table C (Revised April 19, 2016)

ALCOSAN Response to Paragraph 30 of USEPA Information Requirement, Dated June 3, 2015 as Modified October 15, 2015, Table C

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A Planning Basin	B ALCOSAN Point of Connection	C Type of Point of Connection	D Estimated Future Service Population*	E Estimated Public Sewers (inch-miles)*	F Typical Year Flow Contribution (MG)	G Contributing Municipality/Authority	H Approximate Tributary Area for Estimating Flow Contributions in Multi-Municipal POC Sewersheds			I Estimated Annual Average Flow Contribution for Typical Year			J Estimated Maximum Day Flow Contribution for Typical Year		
							K Combined Area (acres)	L Sanitary Area (acres)	M Total Area (acres)	N (gpd)	O (gpimd)	P (gpcd)	Q (gpd)	R (gpimd)	S (gpcd)
SM	MH-11	DC Com	3,060	192	274	TOTAL	325	76.4	401	750,000	3,900	245	1,640,000	8,520	536
			8	0.200	0.493	Crafton	0.627	-	0.627	1,350	6,750	169	3,020	15,100	378
			3,050	192	273	COP / PWSA	324	76.4	401	748,000	3,890	246	1,630,000	8,500	536
SM	MH-18	DC Com	16,800	597	986	TOTAL	354	1,330	1,680	2,700,000	4,520	161	7,040,000	11,800	420
			3,790	82.7	88.3	Dormont	-	226	226	242,000	2,920	63.7	446,000	5,390	118
			1,330	54.5	83.5	Green Tree	-	214	214	229,000	4,200	172	422,000	7,740	318
			2,920	81.2	71.3	Mount Lebanon	-	182	182	195,000	2,400	66.8	360,000	4,430	123
			7,790	368	728	COP / PWSA	354	666	1,020	1,990,000	5,420	256	5,730,000	15,600	736
			917	11.3	14.8	Scott	-	37.9	37.9	40,600	3,590	44.3	74,800	6,620	81.6
SM	MH-21	DC San	49	2.93	35.1	COP / PWSA	-	44.0	44.0	96,200	32,800	1,960	135,000	46,000	2,750
SM	MH-47	DC San	165	5.95	39.5	COP / PWSA	-	49.5	49.5	108,000	18,200	656	152,000	25,500	919
SM	MH-55	DC Com	91	10.7	45.4	COP / PWSA	-	51.3	51.3	124,000	11,600	1,370	318,000	29,700	3,490
SM	MH-66	DC San	665	29.1	88.6	COP / PWSA	-	101	101	243,000	8,340	365	628,000	21,600	944
SM	MH-68	DC San	1,880	65.9	252	COP / PWSA	-	233	233	689,000	10,500	368	1,580,000	23,900	840
SM	MH-70	DC San	253	12.5	34.2	COP / PWSA	-	38.7	38.7	93,700	7,490	370	243,000	19,400	959
SM	MH-77	DC Com	2,000	72.8	152	COP / PWSA	37.3	132	170	417,000	5,730	209	1,240,000	17,000	621
SM	MH-80	DC San	537	22.5	46.1	COP / PWSA	-	51.6	51.6	126,000	5,610	235	324,000	14,400	604
SM	MH-88	DC San	791	28.1	70.9	COP / PWSA	-	80.2	80.2	194,000	6,920	246	504,000	17,900	637
SM	MH-89	DC Com	13,900	567	930	TOTAL	13.8	1,660	1,670	2,550,000	4,500	183	9,610,000	16,900	689
			4,380	143	203	Brentwood	-	372	372	556,000	3,900	127	2,020,000	14,200	462
			477	12.4	31.2	Castle Shannon	-	57.2	57.2	85,400	6,890	179	311,000	25,100	652
			1,230	67.1	108	COP / PWSA	13.8	148	161	297,000	4,420	241	1,410,000	21,000	1,150
			7,850	347	588	Whitehall	-	1,080	1,080	1,610,000	4,640	205	5,860,000	16,900	747
SM	MH-99A	DC San	166	5.10	26.7	COP / PWSA	-	30.0	30.0	73,200	14,300	441	211,000	41,400	1,270
SM	MH-N02	DC Com	-	14.9	38.3	COP / PWSA	72.1	-	72.1	105,000	7,040	NA	711,000	47,700	NA
SM	MH-N03	DC Com	63	11.6	17.4	COP / PWSA	34.9	-	34.9	47,700	4,110	757	179,000	15,400	2,840
SM	O-14Z	CSO	63	11.1	16.3	COP / PWSA	32.8	-	32.8	44,700	4,020	709	306,000	27,600	4,860
SM	S-15	DC Com	12,700	432	615	TOTAL	285	746	1,030	1,690,000	3,900	133	6,800,000	15,700	535
			1,290	56.7	54.0	Baldwin	-	154	154	148,000	2,610	115	371,000	6,540	288
			4,680	92.8	76.6	Dormont	-	219	219	210,000	2,260	44.8	526,000	5,670	112
			1,590	82.5	118	Mount Lebanon	-	339	339	325,000	3,930	204	813,000	9,860	512
			5,160	201	366	COP / PWSA	285	33.6	319	1,000,000	5,000	195	5,090,000	25,400	987
SM	S-16LC	DC San	9	1.66	6.50	COP / PWSA	-	5.02	5.02	17,800	10,700	1,980	50,900	30,600	5,650
SM	S-18	CSO	3,130	105	207	COP / PWSA	-	231	231	568,000	5,410	182	1,460,000	13,900	467
SM	S-23	CSO	1,880	80.2	149	TOTAL	123	48.1	171	409,000	5,110	217	1,370,000	17,100	728
			1,820	79.5	149	COP / PWSA	123	46.3	169	408,000	5,130	224	1,370,000	17,200	751
			63	0.700	0.594	Mount Oliver	-	1.83	1.83	1,630	2,320	25.8	3,040	4,340	48.2
SM	S-24	CSO	3,480	213	678	COP / PWSA	308	-	308	1,860,000	8,720	534	4,260,000	20,000	1,220
SM	S-28	CSO	419	22.6	69.3	COP / PWSA	41.8	-	41.8	190,000	8,400	453	368,000	16,300	878
SM	S-29	CSO	3,870	237	304	TOTAL	234	60.3	294	833,000	3,520	216	3,020,000	12,800	782
			3,790	232	301	COP / PWSA	234	52.2	286	825,000	3,550	218	3,010,000	12,900	794
			80	4.40	2.87	Mount Oliver	-	8.06	8.06	7,870	1,790	98.4	15,400	3,500	192
SM	S-30	CSO	2	1.67	4.29	COP / PWSA	4.79	-	4.79	11,800	7,050	5,880	48,200	28,800	24,100
SM	S-31	CSO	488	35.5	34.6	COP / PWSA	46.2	-	46.2	94,700	2,670	194	300,000	8,450	615
SM	S-32	CSO	6,300	401	516	COP / PWSA	384	-	384	1,410,000	3,520	224	5,720,000	14,300	909
SM	S-33	CSO	372	21.7	81.4	COP / PWSA	86.5	-	86.5	223,000	10,300	600	1,610,000	74,300	4,340
SM	S-34	CSO	183	5.88	24.2	COP / PWSA	7.54	-	7.54	66,200	11,300	362	256,000	43,500	1,400
SM	S-35	CSO	709	26.8	63.3	COP / PWSA	31.8	-	31.8	174,000	6,470	245	674,000	25,100	950
SM	S-36	CSO	647	35.5	82.4	COP / PWSA	49.0	-	49.0	226,000	6,360	349	1,080,000	30,500	1,670

**Table C (Revised April 19, 2016)**  
**ALCOSAN Response to Paragraph 30 of USEPA Information Requirement, Dated June 3, 2015 as Modified October 15, 2015, Table C**

= Municipal points of connection  
 = Multi-municipal points of connection

A Planning Basin	B ALCOSAN Point of Connection	C Type of Point of Connection	D Estimated Future Service Population*	E Estimated Public Sewers (inch-miles)*	F Typical Year Flow Contribution (MG)	G Contributing Municipality/Authority	H Approximate Tributary Area for Estimating Flow Contributions in Multi-Municipal POC Sewersheds			K Estimated Annual Average Flow Contribution for Typical Year			N Estimated Maximum Day Flow Contribution for Typical Year		
							I Combined Area (acres)	J Sanitary Area (acres)	L Total Area (acres)	M (gpd)	O (gpimd)	P (gpcd)	Q (gpd)	R (gpimd)	S (gpcd)
SM	S-37	CSO	8	2.37	12.4	COP / PWSA	13.4	-	13.4	33,900	14,300	4,240	263,000	111,000	32,900
SM	S-38	CSO	2,610	130	141	COP / PWSA	160	-	160	386,000	2,970	148	1,900,000	14,600	728
SM	S-39	CSO	1,260	78.0	126	COP / PWSA	107	-	107	345,000	4,420	275	1,600,000	20,500	1,270
SM	S-40	CSO	1,180	72.8	132	COP / PWSA	93.9	-	93.9	361,000	4,950	305	1,260,000	17,400	1,070
SM	S-41	CSO	840	64.0	189	COP / PWSA	106	-	106	518,000	8,090	616	1,410,000	22,000	1,680
SM	S-42	CSO	54	6.55	13.2	COP / PWSA	-	15.3	15.3	36,100	5,510	668	94,300	14,400	1,750
SM	S-42A	CSO	704	53.3	69.2	TOTAL	57.3	126	183	190,000	3,560	269	803,000	15,100	1,140
			61	6.70	19.9	Green Tree	-	93.0	93.0	54,400	8,120	892	138,000	20,600	2,260
			643	46.6	49.3	COP / PWSA	57.3	32.5	89.8	135,000	2,900	210	665,000	14,300	1,030
SM	S-46	CSO	1,210	93.2	104	COP / PWSA	138	-	138	284,000	3,050	235	1,240,000	13,300	1,020
SM	SMR83	DC San	469	14.7	61.7	COP / PWSA	-	69.6	69.6	169,000	11,500	360	438,000	29,800	934
SM	SMR-CS-02	DC San	927	36.4	36.5	TOTAL	-	135	135	99,900	2,740	108	358,000	9,820	386
			321	9.20	19.0	Baldwin Township	-	70.2	70.2	52,000	5,650	162	186,000	20,200	580
			606	27.3	17.5	Castle Shannon	-	64.7	64.7	47,900	1,760	79.1	171,000	6,280	283
SM	SMR-CS-03	DC San	487	18.3	41.7	Castle Shannon	-	58.8	58.8	114,000	6,240	234	261,000	14,300	537
SM	SMR-CS-06	DC San	422	14.7	26.5	TOTAL	-	46.9	46.9	72,700	4,950	172	169,000	11,500	399
			247	7.00	12.8	Baldwin Township	-	22.6	22.6	35,000	5,000	142	81,200	11,600	329
			175	7.70	13.8	Castle Shannon	-	24.3	24.3	37,700	4,900	215	87,400	11,300	499
SM	SMR-CS-08	DC San	122	7.48	36.9	Castle Shannon	-	64.5	64.5	101,000	13,500	829	233,000	31,100	1,910
SM	SMR-CS-14 (POC)	DC San	2,490	98.4	156	TOTAL	-	255	255	428,000	4,350	172	1,100,000	11,100	440
			236	7.00	19.2	Baldwin Township	-	31.4	31.4	52,700	7,520	223	135,000	19,300	572
			797	38.9	52.0	Castle Shannon	-	84.9	84.9	142,000	3,660	179	365,000	9,380	458
			1,460	52.6	84.9	Mount Lebanon	-	139	139	233,000	4,420	160	596,000	11,300	409
SM	SMR-CS-16	DC San	965	41.1	62.7	Castle Shannon	-	116	116	172,000	4,180	178	465,000	11,300	482
SM	SMR-CS-20	DC San	789	32.5	72.2	Castle Shannon	-	112	112	198,000	6,090	251	454,000	14,000	575
SM	SMR-CS-27	DC San	420	19.0	31.9	Castle Shannon	-	55.2	55.2	87,500	4,600	208	200,000	10,500	477
SM	SMR-CS-31	DC San	568	20.8	77.0	TOTAL	-	131	131	211,000	10,100	372	481,000	23,100	848
			542	19.6	42.9	Castle Shannon	-	72.7	72.7	118,000	6,000	217	268,000	13,700	494
			26	1.20	34.2	Mount Lebanon	-	57.9	57.9	93,600	78,000	3,600	213,000	178,000	8,210
SM	SMR-CS-33 (incl. w/ SMR-CS-31)	DC San	-	-	-	Castle Shannon	-	1.92	1.92						
SM	SMR-CS-34	DC San	8,920	253	706	TOTAL	-	780	780	1,930,000	7,640	217	4,950,000	19,600	555
			540	21.5	53.2	Castle Shannon	-	58.8	58.8	146,000	6,780	270	374,000	17,400	692
			8,380	231	653	Mount Lebanon	-	721	721	1,790,000	7,730	213	4,580,000	19,800	547
SM	SMR-CS-37	DC San	843	14.8	59.0	Castle Shannon	-	93.7	93.7	162,000	10,900	192	353,000	23,800	419
SM	SMR-CS-39A (incl. w/ SMR-CS-37)	DC San	-	-	-	Castle Shannon	-	0.730	0.730						
SM	SMR-CS-42	DC San	1,350	35.4	67.7	TOTAL	-	102	102	185,000	5,240	138	668,000	18,900	495
			616	11.5	25.3	Castle Shannon	-	38.2	38.2	69,300	6,020	112	249,000	21,700	405
			732	24.5	42.4	Mount Lebanon	-	64.2	64.2	116,000	4,740	159	418,000	17,100	571
SM	SMR-CS-43	DC San	136	4.47	11.0	Castle Shannon	-	19.0	19.0	30,200	6,760	222	68,900	15,400	507
SM	SMR-CS-46	DC San	656	22.2	36.9	Castle Shannon	-	59.9	59.9	101,000	4,550	154	218,000	9,840	333
SM	SMR-CS-50 (POC)	DC San	175	4.68	18.3	Castle Shannon	-	19.5	19.5	50,300	10,700	287	119,000	25,400	680
SM	SMR-CS-52	DC San	720	22.5	30.5	TOTAL	-	74.2	74.2	83,500	3,710	116	434,000	19,300	602
			427	16.4	22.8	Bethel Park / BPMA	-	55.4	55.4	62,400	3,800	146	324,000	19,800	759
			207	3.00	4.38	Castle Shannon	-	10.7	10.7	12,000	4,000	58.0	62,400	20,800	301
			86	3.10	3.33	Mount Lebanon	-	8.09	8.09	9,110	2,940	106	47,400	15,300	551
SM	SMR-CS-54	DC San	2,580	128	182	TOTAL	-	533	533	498,000	3,890	193	2,110,000	16,500	817
			2,570	128	181	Bethel Park / BPMA	-	531	531	497,000	3,890	193	2,100,000	16,400	816
			7	0.100	0.674	Castle Shannon	-	1.97	1.97	1,850	18,500	264	7,810	78,100	1,120



Table C (Revised April 19, 2016)

ALCOSAN Response to Paragraph 30 of USEPA Information Requirement, Dated June 3, 2015 as Modified October 15, 2015, Table C

= Municipal points of connection  
 = Multi-municipal points of connection

A Planning Basin	B ALCOSAN Point of Connection	C Type of Point of Connection	D Estimated Future Service Population*	E Estimated Public Sewers (inch-miles)*	F Typical Year Flow Contribution (MG)	G Contributing Municipality/Authority	H Approximate Tributary Area for Estimating Flow Contributions in Multi-Municipal POC Sewersheds			K Estimated Annual Average Flow Contribution for Typical Year			N Estimated Maximum Day Flow Contribution for Typical Year		
							I Combined Area (acres)	J Sanitary Area (acres)	L Total Area (acres)	M (gpd)	O (gpimd)	P (gpmd)	Q (gpd)	R (gpimd)	S (gpmd)
SM	SMRE-40	DC Com	8,050	286	822	TOTAL	178	455	633	2,250,000	7,870	280	5,950,000	20,800	739
			709	15.1	32.4	Dormont	-	41.5	41.5	88,800	5,880	125	159,000	10,500	224
			7,350	271	789	COP / PWSA	178	414	592	2,160,000	7,980	294	5,790,000	21,400	788
SM	SMRE-61	DC San	22	2.80	20.8	COP / PWSA	-	23.5	23.5	56,900	20,300	2,590	147,000	52,500	6,680
TC	T-01	CSO	3,120	137	306	TOTAL	389	-	389	837,000	6,110	269	8,520,000	62,200	2,740
			200	2.90	7.88	East Pittsburgh	10.0	-	10.0	21,600	7,450	108	220,000	75,800	1,100
			2,920	134	298	North Braddock	379	-	379	816,000	6,090	280	8,300,000	62,000	2,850
TC	T-02	CSO	1,020	49.8	67.6	East Pittsburgh	66.7	-	66.7	185,000	3,720	182	3,350,000	67,200	3,290
TC	T-03	CSO	209	19.1	15.6	East Pittsburgh	27.9	-	27.9	42,800	2,240	205	347,000	18,200	1,660
TC	T-04	CSO	8,570	521	791	TOTAL	213	1,440	1,650	2,170,000	4,160	253	5,920,000	11,400	691
			194	12.9	51.8	Braddock Hills	-	143	143	142,000	11,000	731	293,000	22,700	1,510
			742	46.7	35.9	Chalfant	-	99.4	99.4	98,400	2,110	133	203,000	4,360	274
			278	14.8	39.2	Churchill	-	109	109	108,000	7,260	387	222,000	15,000	800
			248	55.4	114	East Pittsburgh	89.3	-	89.3	312,000	5,630	1,260	1,250,000	22,500	5,030
			6,060	308	360	Forest Hills	-	996	996	986,000	3,200	163	2,040,000	6,620	337
			771	66.0	169	North Braddock	124	29.2	153	462,000	7,010	600	1,790,000	27,200	2,320
			44	3.90	9.28	Wilkins	-	25.7	25.7	25,400	6,520	578	52,600	13,500	1,200
			230	1.10	12.5	Wilksburg	-	34.7	34.7	34,400	31,200	149	71,100	64,600	309
TC	T-04-02	DC San	13,200	557	670	Penn Hills	-	2,770	2,770	1,840,000	3,300	139	6,220,000	11,200	471
TC	T-05-02	DC San	3,010	115	157	North Versailles / NVTA	-	488	488	430,000	3,740	143	1,620,000	14,000	536
TC	T-07	CSO	3,880	245	257	TOTAL	29.7	1,030	1,060	704,000	2,880	181	2,350,000	9,600	606
			1,610	113	137	Churchill	-	604	604	374,000	3,320	233	1,130,000	10,000	703
			35	12.7	23.9	Turtle Creek	29.7	-	29.7	65,400	5,150	1,870	426,000	33,600	12,200
			2,230	120	96.7	Wilkins	-	428	428	265,000	2,220	119	799,000	6,680	358
TC	T-08	SSO	498	16.7	21.8	North Versailles/ NVTA	-	78.2	78.2	59,800	3,580	120	246,000	14,700	494
TC	T-09 (Thompson Run)	Varies	NA	NA	-	TOTAL									
			NA	NA	NA	Churchill									
			NA	NA	NA	Monroeville / Monroeville Municipal Authority (MMA)									
			NA	NA	NA	Penn Hills									
			NA	NA	NA	Plum / Plum Borough Municipal Authority (PBMA)									
			NA	NA	NA	Turtle Creek									
			NA	NA	NA	Wilkins									
TC	T-10	CSO	9,940	211	260	TOTAL	291	466	757	711,000	3,370	71.6	6,440,000	30,500	648
			3,900	120	79.4	Monroeville / Monroeville Municipal Authority (MMA)	-	466	466	217,000	1,820	55.7	1,030,000	8,620	264
			6,030	91.6	180	Turtle Creek	291	-	291	494,000	5,390	81.9	5,410,000	59,000	896
TC	T-11	CSO	17	2.24	3.94	Turtle Creek	7.11	-	7.11	10,800	4,820	635	204,000	91,000	12,000
TC	T-12	CSO	388	9.14	12.9	Turtle Creek	26.0	-	26.0	35,400	3,880	91.4	721,000	78,900	1,860
TC	T-13	CSO	66	4.20	4.52	Turtle Creek	7.56	-	7.56	12,400	2,950	187	251,000	59,700	3,800
TC	T-14	CSO	198	4.68	11.9	Turtle Creek	19.9	-	19.9	32,700	6,990	165	651,000	139,000	3,290
TC	T-15	CSO	50	5.02	5.93	Wilmerding	6.23	-	6.23	16,300	3,240	325	386,000	76,900	7,720
TC	T-16	SSO	661	27.1	34.9	North Versailles / NVTA	-	126	126	95,700	3,530	145	408,000	15,100	617
TC	T-16-02 (included w/ adjacent T-18)	DC San	-	-	-	Wilmerding	-	28.4	28.4						
TC	T-16A	CSO	79	2.60	5.81	Wilmerding	9.61	-	9.61	15,900	6,120	201	447,000	172,000	5,650
TC	T-17	CSO	85	4.23	6.63	Wilmerding	12.7	-	12.7	18,200	4,300	214	375,000	88,500	4,410
TC	T-18	SSO	665	38.5	40.3	Wilmerding	-	6.84	6.84	110,000	2,870	166	1,120,000	29,100	1,690
TC	T-19	CSO	75	2.64	3.39	Wilmerding	6.78	-	6.78	9,290	3,520	124	174,000	65,700	2,310
TC	T-21	CSO	47	2.20	1.38	Wilmerding	3.19	-	3.19	3,790	1,720	80.6	53,700	24,400	1,140

See the pink rows below for a breakdown by municipal point of connection.

**Table C (Revised April 19, 2016)**  
**ALCOSAN Response to Paragraph 30 of USEPA Information Requirement, Dated June 3, 2015 as Modified October 15, 2015, Table C**

= Municipal points of connection  
 = Multi-municipal points of connection

A Planning Basin	B ALCOSAN Point of Connection	C Type of Point of Connection	D Estimated Future Service Population*	E Estimated Public Sewers (inch-miles)*	F Typical Year Flow Contribution (MG)	G Contributing Municipality/Authority	H Approximate Tributary Area for Estimating Flow Contributions in Multi-Municipal POC Sewersheds			K Estimated Annual Average Flow Contribution for Typical Year			N Estimated Maximum Day Flow Contribution for Typical Year		
							I Combined Area (acres)	J Sanitary Area (acres)	L Total Area (acres)	M (gpd)	O (gpimd)	P (gpcd)	Q (gpd)	R (gpimd)	S (gpcd)
TC	T-22	CSO	1,180	62.9	48.8	TOTAL	81.0	65.0	146	134,000	2,130	113	1,110,000	17,600	936
			354	8.00	6.66	North Versailles / NVTA	-	49.2	49.2	18,300	2,280	51.6	74,400	9,300	210
			827	54.7	42.2	Wilmerding	81.0	15.7	96.7	116,000	2,110	140	1,030,000	18,800	1,250
TC	T-23	CSO	198	6.28	6.44	Wilmerding	10.6	-	10.6	17,600	2,810	89.1	300,000	47,700	1,510
TC	T-24	CSO	1,220	54.4	57.8	TOTAL	25.1	174	200	158,000	2,910	130	784,000	14,400	641
			841	51.9	37.7	Monroeville / MMA	-	174	174	103,000	1,990	123	363,000	7,000	432
			381	12.6	20.1	Wilmerding	25.1	-	25.1	55,000	4,360	144	420,000	33,400	1,100
TC	T-25	SSO	3,890	215	332	TOTAL	-	698	698	909,000	4,230	234	3,170,000	14,700	815
			1,960	80.5	99.4	East McKeesport	-	209	209	272,000	3,380	139	950,000	11,800	486
			1,230	78.6	166	North Versailles / NVTA	-	349	349	455,000	5,790	371	1,590,000	20,200	1,290
			700	54.9	66.4	Wall	-	140	140	182,000	3,310	260	634,000	11,600	906
TC	T-25-10	DC San	939	20.5	27.7	Monroeville / MMA	-	128	128	75,800	3,700	80.8	211,000	10,300	225
TC	T-26	CSO	2,680	116	324	Pitcairn	272	-	272	887,000	7,640	331	2,120,000	18,200	791
TC	T-26A	SSO	2,770	179	152	Monroeville / MMA	-	929	929	416,000	2,320	150	2,310,000	12,900	837
TC	T-26A-10	DC San	13,500	NA	479	TOTAL	-	513	513	1,310,000	NA	97.5	6,940,000	NA	515
			13,400	NA	412	North Huntingdon / North Huntingdon Twp Municipal Authority (NHTMA) / Western Westmoreland Municipal Authority (WWMA)	-	442	442	1,130,000	NA	84.1	5,970,000	NA	445
			43	NA	66.9	Trafford	-	71.7	71.7	183,000	NA	4,260	969,000	NA	22,500
TC	T-26B	SSO	5,290	216	298	Monroeville / MMSA	-	1,280	1,280	815,000	3,780	154	2,160,000	10,000	409
TC	T-27	SSO	483	42.8	76.5	Trafford	-	142	142	209,000	4,890	434	1,150,000	27,000	2,390
TC	T-27-02	DC San	-	-	12.0	Trafford	-	1.66	1.66	33,000	NA	NA	362,000	NA	NA
TC	T-27-12 (included w/ T-27-02)	DC San	NA	NA	NA	Trafford	-	52.3	52.3						
TC	T-29	SSO	176	10.3	12.4	Trafford	-	30.7	30.7	34,100	3,310	194	374,000	36,400	2,130
TC	T-29A-02	DC San	2,180	87.2	84.0	Monroeville / MMA	-	422	422	230,000	2,640	105	838,000	9,610	384
TC	T-29A-08	DC San	41	2.67	9.67	Trafford	-	38.7	38.7	26,500	9,920	646	290,000	109,000	7,080
TC	T-29A-10	DC San	19,000	770	1,260	TOTAL	-	6,080	6,080	3,450,000	4,480	181	8,950,000	11,600	471
			12,000	504	922	Monroeville / MMA	-	4,460	4,460	2,530,000	5,010	210	6,560,000	13,000	545
			5,370	200	253	Penn Township/ Penn Township Sewage Authority (PTSA)	-	1,220	1,220	693,000	3,470	129	1,800,000	9,010	335
			461	11.4	42.6	Plum / Plum Borough Municipal Authority	-	206	206	117,000	10,200	253	303,000	26,600	657
			1,150	54.6	40.8	Trafford	-	197	197	112,000	2,050	97.3	290,000	5,320	253
TC	T-31	SSO	556	41.7	78.2	Trafford	-	145	145	214,000	5,140	386	1,110,000	26,700	2,000
TC	T-32	SSO	54	9.10	4.46	Trafford	-	20.8	20.8	12,200	1,340	226	124,000	13,600	2,300
TC	T-33	SSO	791	19.5	21.7	Trafford	-	-	-	59,500	3,050	75.2	193,000	9,900	244
TC	TR-01 (Municipal)	CSO	320	NA	27.3	Turtle Creek	21.1	9.69	30.8	74,800	NA	234	497,000	NA	1,550
TC	TR-01-06z (Municipal)	DC Com	514	48.5	30.9	TOTAL	17.2	28.9	46.1	84,600	1,740	165	1,150,000	23,800	2,250
			452	46.3	28.1	Turtle Creek	16.6	23.0	39.6	77,000	1,660	170	1,080,000	23,400	2,390
			62	2.10	2.76	Wilkins	0.628	5.93	6.56	7,560	3,600	122	73,400	35,000	1,180
TC	TR-01-16 (Municipal)	DC Com	151	5.44	14.2	Turtle Creek	2.97	6.59	9.57	38,800	7,130	257	259,000	47,700	1,720
TC	TR-02 (Municipal)	CSO	644	21.1	18.6	Turtle Creek	28.2	7.12	35.4	51,000	2,410	79.1	343,000	16,300	533
TC	TR-02-04 (Muni; incl. w/ TR-03)	DC San	-	-	-	Wilkins	-	27.9	27.9						
TC	TR-03 (Municipal)	SSO	361	20.9	25.1	Wilkins	54.3	-	54.3	68,900	3,300	191	589,000	28,200	1,630
TC	TR-03-08 (Municipal)	DC San	457	30.1	30.7	TOTAL	-	128	128	84,100	2,790	184	346,000	11,500	758
			2	-	4.44	Churchill	-	18.5	18.5	12,200	NA	6,080	50,000	#DIV/0!	25,000
			455	30.1	26.3	Wilkins	-	110	110	72,000	2,340	158	296,000	9,660	652
TC	TR-04 (Municipal)	SSO	3,070	197	218	TOTAL	-	883	883	598,000	3,040	195	1,620,000	8,240	530
			603	50.2	70.5	Churchill	-	285	285	193,000	3,850	320	524,000	10,400	869
			62	1.90	0.141	Penn Hills	-	0.569	0.569	386	203	6.22	1,050	551	16.9
			2,400	144	148	Wilkins	-	597	597	405,000	2,810	169	1,100,000	7,630	458



**Table C (Revised April 19, 2016)**  
**ALCOSAN Response to Paragraph 30 of USEPA Information Requirement, Dated June 3, 2015 as Modified October 15, 2015, Table C**

= Municipal points of connection  
 = Multi-municipal points of connection

A Planning Basin	B ALCOSAN Point of Connection	C Type of Point of Connection	D Estimated Future Service Population*	E Estimated Public Sewers (inch-miles)*	F Typical Year Flow Contribution (MG)	G Contributing Municipality/Authority	H Approximate Tributary Area for Estimating Flow Contributions in Multi-Municipal POC Sewersheds			K Estimated Annual Average Flow Contribution for Typical Year			N Estimated Maximum Day Flow Contribution for Typical Year		
							I Combined Area (acres)	J Sanitary Area (acres)	L Total Area (acres)	M (gpd)	O (gpimd)	P (gpcd)	Q (gpd)	R (gpimd)	S (gpcd)
TC	TR-04-14 (Municipal)	DC San	515	21.5	65.4	TOTAL	-	162	162	179,000	8,340	348	388,000	18,100	754
			-	0.600	0.0480	Monroeville / MMA	-	0.119	0.119	132	219	NA	285	475	NA
			515	20.9	65.4	Wilkins	-	162	162	179,000	8,570	348	388,000	18,600	754
TC	TR-04-22 (Municipal)	DC San	607	22.7	40.1	Monroeville / MMA	-	145	145	110,000	4,840	181	304,000	13,400	500
TC	TR-04-32 (Municipal)	DC San	1,890	48.9	224	TOTAL	-	422	422	613,000	12,500	324	1,180,000	24,000	621
			1,890	48.5	224	Monroeville / MMA	-	422	422	612,000	12,600	324	1,170,000	24,200	621
			-	0.330	0.207	Wilkins	-	0.390	0.390	567	1,720	NA	1,090	3,290	NA
TC	TR-05 (Municipal)	SSO	1,080	64.1	58.7	TOTAL	-	229	229	161,000	2,510	149	664,000	10,400	616
			-	6.60	0.916	Monroeville / MMA	-	3.58	3.58	2,510	380	NA	10,400	1,570	NA
			143	6.80	7.18	Penn Hills	-	28.0	28.0	19,700	2,890	138	81,300	12,000	569
			935	50.9	50.6	Wilkins	-	198	198	139,000	2,720	148	573,000	11,300	613
TC	TR-05-04 (Municipal)	DC San	77	3.12	5.74	TOTAL	-	21.0	21.0	15,700	5,040	204	35,100	11,300	456
			77	3.10	5.44	Monroeville / MMA	-	19.9	19.9	14,900	4,810	194	33,300	10,700	432
			-	-	0.300	Wilkins	-	1.10	1.10	822	NA	NA	1,840	NA	NA
TC	TR-06 (Municipal)	SSO	9,720	372	563	TOTAL	-	1,780	1,780	1,540,000	4,140	159	4,760,000	12,800	490
			8,050	305	436	Monroeville / MMA	-	1,380	1,380	1,200,000	3,920	149	3,700,000	12,100	459
			1,670	14.3	8.27	Plum / PBMA	-	26.2	26.2	22,600	1,580	13.6	70,000	4,900	42.0
			7	52.5	118	Penn Hills	-	373	373	323,000	6,150	46,100	998,000	19,000	143,000
UA	A-35	CSO	1,040	68.5	132	COP/ PWSA	153	-	153	361,000	5,260	345	6,360,000	92,900	6,090
UA	A-36	CSO	55	10.4	23.0	COP/ PWSA	29.8	-	29.8	63,100	6,070	1,150	1,050,000	101,000	19,100
UA	A-37	CSO	26	5.85	8.77	COP/ PWSA	12.8	-	12.8	24,000	4,110	925	399,000	68,100	15,300
UA	A-37Z	CSO	407	30.9	38.1	COP/ PWSA	45.4	-	45.4	104,000	3,380	257	1,750,000	56,700	4,310
UA	A-38	CSO	42	6.81	10.0	COP/ PWSA	15.4	-	15.4	27,400	4,030	654	451,000	66,300	10,700
UA	A-40	CSO	221	16.1	16.4	COP/ PWSA	19.2	-	19.2	45,000	2,790	203	662,000	41,100	3,000
UA	A-41	CSO	10,900	569	803	COP/ PWSA	725	-	725	2,200,000	3,870	202	32,200,000	56,500	2,940
UA	A-42-02	DC Com	-	5.86	5.41	COP/ PWSA	8.48	-	8.48	14,800	2,530	NA	379,000	64,700	NA
UA	A-42A	DC San	17,300	759	1,160	Penn Hills	-	2,650	2,650	3,180,000	4,190	184	7,920,000	10,400	457
UA	A-42A-30	DC San	2,660	126	214	Penn Hills	-	544	544	586,000	4,650	221	1,360,000	10,800	514
UA	A-42L	CSO	19,400	1,870	2,140	TOTAL	2,090	422	2,520	5,860,000	3,130	301	46,900,000	25,100	2,410
			1,450	123	104	Penn Hills	-	411	411	285,000	2,310	197	1,090,000	8,840	752
			18,000	1,730	2,030	COP/ PWSA	2,090	7.31	2,100	5,570,000	3,220	310	45,800,000	26,400	2,550
			16	0.900	0.879	Wilkinsburg	-	3.47	3.47	2,410	2,670	150	9,200	10,200	575
UA	A-42U	CSO	8,110	769	1,090	COP/ PWSA	773	-	773	2,980,000	3,880	367	31,500,000	41,000	3,880
UA	A-44-02	DC San	114	NA	10.2	Verona	-	15.9	15.9	27,800	NA	244	95,000	NA	833
UA	A-45	SSO	3,340	120	243	TOTAL	-	378	378	665,000	5,540	199	2,410,000	20,000	720
			932	44.1	98.3	Penn Hills	-	153	153	269,000	6,110	289	973,000	22,100	1,040
			2,410	75.5	145	Verona	-	225	225	396,000	5,250	164	1,430,000	19,000	595
UA	A-68	CSO	29,100	NA	2,530	TOTAL	375	5,420	5,790	6,930,000	NA	238	27,400,000	NA	939
			3,490	NA	511	Etna	375	-	375	1,400,000	NA	401	9,660,000	NA	2,770
			-	NA	3.48	Hampton	-	9.34	9.34	9,540	NA	NA	30,500	NA	NA
			513	NA	50.6	Indiana Twp / Deer Creek Drainage Basin Authority	-	136	136	139,000	NA	270	443,000	NA	864
			315	NA	20.8	McCandless	-	55.8	55.8	57,000	NA	181	182,000	NA	579
			117	NA	11.9	O'Hara	-	31.9	31.9	32,600	NA	279	104,000	NA	891
			3,770	NA	313	Ross Twp	-	839	839	856,000	NA	227	2,740,000	NA	727
			20,900	NA	1,620	Shaler	-	4,340	4,340	4,440,000	NA	212	14,200,000	NA	678
UA	A-69	CSO	1,040	63.8	82.7	TOTAL	40.9	-	40.9	227,000	3,550	219	3,100,000	48,600	2,990
			-	0.200	16.7	Private Ownership (in Etna)	8.27	-	8.27	45,900	229,000	NA	627,000	3,130,000	NA
			1,040	35.3	66.0	Sharpsburg	32.6	-	32.6	181,000	5,120	174	2,470,000	70,000	2,380

**Table C (Revised April 19, 2016)**  
**ALCOSAN Response to Paragraph 30 of USEPA Information Requirement, Dated June 3, 2015 as Modified October 15, 2015, Table C**

= Municipal points of connection  
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A Planning Basin	B ALCOSAN Point of Connection	C Type of Point of Connection	D Estimated Future Service Population*	E Estimated Public Sewers (inch-miles)*	F Typical Year Flow Contribution (MG)	G Contributing Municipality/Authority	H Approximate Tributary Area for Estimating Flow Contributions in Multi-Municipal POC Sewersheds			K Estimated Annual Average Flow Contribution for Typical Year			N Estimated Maximum Day Flow Contribution for Typical Year		
							I Combined Area (acres)	J Sanitary Area (acres)	L Total Area (acres)	M (gpd)	O (gpimd)	P (gpacd)	Q (gpd)	R (gpimd)	S (gpacd)
UA	A-70	CSO	887	39.5	178	TOTAL	43.8	94.3	138	488,000	12,400	551	3,040,000	77,000	3,430
			146	13.4	38.6	O'Hara	-	54.9	54.9	106,000	7,890	724	375,000	28,000	2,570
			200	14.9	27.7	Shaler	-	39.4	39.4	75,800	5,090	379	268,000	18,000	1,340
			542	39.5	112	Sharpsburg	43.8	-	43.8	307,000	7,770	566	2,400,000	60,700	4,420
UA	A-71	CSO	498	19.8	42.7	Sharpsburg	30.6	-	30.6	117,000	5,900	235	2,130,000	108,000	4,290
UA	A-72	CSO	3,540	249	501	TOTAL	43.9	860	904	1,370,000	5,510	387	3,350,000	13,500	947
			2,760	206	424	O'Hara	-	860	860	1,160,000	5,650	422	2,480,000	12,000	900
			770	33.6	76.3	Sharpsburg	43.9	-	43.9	209,000	6,220	271	873,000	26,000	1,130
UA	A-73	CSO	654	26.8	42.8	Sharpsburg	57.0	-	57.0	117,000	4,380	179	2,250,000	83,800	3,430
UA	A-74	CSO	113	5.50	14.7	Sharpsburg	24.2	-	24.2	40,200	7,300	355	513,000	93,300	4,540
UA	A-74A	DC Com	900	81.1	73.4	TOTAL	18.0	456	474	201,000	2,480	224	508,000	6,270	565
			337	38.5	40.5	Fox Chapel / Fox Chapel Sanitary Authority (FCSA)	-	286	286	111,000	2,880	330	250,000	6,500	742
			563	41.3	24.1	O'Hara	-	170	170	65,900	1,600	117	148,000	3,590	264
			-	1.30	8.83	Sharpsburg	18.0	-	18.0	24,200	18,600	NA	110,000	84,600	NA
UA	A-75	CSO	1,060	45.2	136	TOTAL	87.4	69.7	157	374,000	8,270	352	3,200,000	70,800	3,010
			939	33.6	104	Aspinwall	81.9	-	81.9	286,000	8,510	304	2,730,000	81,300	2,910
			21	1.20	6.03	Fox Chapel / FCSA	-	16.7	16.7	16,500	13,800	786	68,100	56,800	3,240
			103	9.80	19.1	O'Hara	-	52.9	52.9	52,200	5,330	507	216,000	22,000	2,090
			-	0.600	6.94	Sharpsburg	5.44	-	5.44	19,000	31,700	NA	182,000	303,000	NA
UA	A-76	CSO	532	19.2	75.9	Aspinwall	39.6	-	39.6	208,000	10,800	391	1,650,000	85,700	3,090
UA	A-77	CSO	506	13.4	29.6	Aspinwall	28.6	-	28.6	81,000	6,050	160	1,030,000	77,000	2,040
UA	A-78	CSO	2,100	117	271	TOTAL	51.8	230	282	743,000	6,350	354	2,870,000	24,500	1,370
			873	58.7	120	Aspinwall	51.8	-	51.8	330,000	5,620	378	1,790,000	30,500	2,050
			962	45.4	120	Fox Chapel / FCSA	-	183	183	329,000	7,250	342	856,000	18,900	890
			262	13.3	30.6	O'Hara	-	46.8	46.8	84,000	6,310	320	218,000	16,400	834
UA	A-78-02	DC San	4,900	558	412	TOTAL	-	4,380	4,380	1,130,000	2,020	230	3,660,000	6,550	746
			4,410	517	378	Fox Chapel / FCSA	-	4,030	4,030	1,040,000	2,000	235	3,360,000	6,500	763
			276	1.30	11.3	Indiana Twp / Deer Creek Drainage Basin Authority	-	121	121	31,100	23,900	113	101,000	77,600	365
			218	33.1	21.9	O'Hara	-	234	234	60,100	1,820	276	195,000	5,890	895
UA	A-78-14	DC San	568	36.0	84.9	COP / PWSA	-	173	173	233,000	6,460	409	526,000	14,600	927
UA	A-80	DC San	1,360	85.0	260	O'Hara	-	655	655	713,000	8,390	525	980,000	11,500	721
UA	A-81-10	DC San	22	13.6	51.9	O'Hara	-	190	190	142,000	10,500	6,470	243,000	17,900	11,100
UA	A-82	SSO	1,530	56.6	117	TOTAL	-	191	191	321,000	5,670	210	775,000	13,700	508
			1,420	52.7	97.9	Blawnox	-	160	160	268,000	5,090	188	648,000	12,300	455
			101	3.60	19.2	O'Hara	-	31.4	31.4	52,600	14,600	521	127,000	35,300	1,260
UA	A-83-02	DC San	163	NA	36.1	O'Hara	-	66.6	66.6	99,000	NA	608	224,000	NA	1,370
UA	A-84-08	DC San	288	13.5	31.8	O'Hara	-	82.1	82.1	87,100	6,450	303	341,000	25,200	1,180
UA	A-85	SSO	1,840	111	122	O'Hara	-	707	707	335,000	3,020	182	861,000	7,760	469
UM	M-31	CSO	428	46.7	290	COP / PWSA	62.5	-	62.5	794,000	17,000	1,860	1,590,000	34,000	3,710
UM	M-31Z	CSO	-	2.34	1.30	COP / PWSA	2.97	-	2.97	3,560	1,520	NA	31,800	13,600	NA
UM	M-32	CSO	-	13.7	9.59	COP / PWSA	20.8	-	20.8	26,300	1,920	NA	334,000	24,400	NA
UM	M-33	CSO	-	4.31	3.45	COP / PWSA	8.77	-	8.77	9,450	2,190	NA	67,800	15,700	NA
UM	M-34	CSO	12,400	543	954	TOTAL	131	1,510	1,640	2,610,000	4,810	211	7,430,000	13,700	599
			1,110	53.0	121	Baldwin	-	250	250	332,000	6,260	299	762,000	14,400	686
			3,500	98.2	99.3	Mount Oliver	-	205	205	272,000	2,770	77.9	625,000	6,360	179
			7,790	393	733	COP / PWSA	131	1,060	1,190	2,010,000	5,110	258	6,040,000	15,400	776
UM	M-35	CSO	1,130	137	533	COP / PWSA	176	-	176	1,460,000	10,700	1,300	5,430,000	39,600	4,820
UM	M-36	CSO	1,940	133	334	COP / PWSA	249	-	249	915,000	6,880	473	2,690,000	20,200	1,390
UM	M-37	CSO	333	15.9	28.5	COP / PWSA	24.4	-	24.4	78,000	4,910	234	395,000	24,800	1,190

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							I Combined Area (acres)	J Sanitary Area (acres)	L Total Area (acres)	M (gpd)	O (gpimd)	P (gpacd)	Q (gpd)	R (gpimd)	S (gpacd)
UM	M-38	CSO	34	7.10	10.1	COP / PWSA	16.0	-	16.0	27,500	3,880	810	486,000	68,400	14,300
UM	M-39	CSO	10	7.53	9.88	COP / PWSA	19.1	-	19.1	27,100	3,590	2,710	471,000	62,500	47,100
UM	M-40	CSO	1,780	NA	165	COP / PWSA	221	-	221	452,000	NA	254	4,700,000	NA	2,650
UM	M-42	CSO	30,700	1,320	2,500	TOTAL	78.7	5,490	5,570	6,850,000	5,190	223	17,100,000	13,000	558
			12,500	577	1,040	Baldwin	-	2,400	2,400	2,860,000	4,960	229	6,790,000	11,800	545
			6,210	183	240	Brentwood	-	553	553	658,000	3,610	106	1,570,000	8,580	252
			3,850	272	627	COP / PWSA	78.7	1,170	1,250	1,720,000	6,320	446	4,900,000	18,000	1,270
			128	1.80	3.64	Pleasant Hills	-	8.39	8.39	9,980	5,540	77.9	23,700	13,200	185
			1,450	72.1	224	West Mifflin / West Mifflin Sanitary Sewer Authority (WMSSA)	-	515	515	612,000	8,490	421	1,460,000	20,200	1,000
			6,560	211	365	Whitehall	-	842	842	1,000,000	4,740	152	2,380,000	11,300	363
UM	M-43	CSO	119	NA	70.9	West Homestead	38.7	23.3	62.0	194,000	NA	1,630	1,980,000	NA	16,600
UM	M-44	CSO	7,950	NA	836	TOTAL	65.6	1,090	1,160	2,290,000	NA	288	6,400,000	NA	804
			4,490	NA	285	Munhall / Munhall Sanitary Municipal Authority (MSSMA)	-	449	449	780,000	NA	174	1,840,000	NA	411
			1,520	NA	185	COP/PWSA	-	292	292	506,000	NA	333	1,200,000	NA	788
			1,950	NA	366	West Homestead	65.6	351	417	1,000,000	NA	516	3,360,000	NA	1,720
UM	M-44-02	DC San	77	53.6	45.6	Homestead	-	120	120						
UM	M-45	CSO	5,770	298	645	TOTAL	332	-	332	1,770,000	5,930	306	7,800,000	26,200	1,350
			3,850	211	455	Homestead	234	-	234	1,250,000	5,900	324	5,500,000	26,000	1,430
			1,920	89.7	190	Munhall / MSSMA	98.0	-	98.0	522,000	5,820	272	2,300,000	25,700	1,200
UM	M-47	CSO	36,700	1,370	2,600	TOTAL	789	2,400	3,190	7,110,000	5,190	194	28,600,000	20,800	778
			470	15.5	53.5	Braddock Hills	-	106	106	147,000	9,460	312	371,000	24,000	790
			590	29.9	59.7	Churchill	-	118	118	164,000	5,470	277	415,000	13,900	703
			3,400	121	190	Edgewood	-	376	376	520,000	4,290	153	1,320,000	10,900	388
			83	2.20	3.58	Penn Hills	-	7.09	7.09	9,820	4,460	118	24,900	11,300	300
			11,600	624	1,480	COP/ PWSA	786	206	992	4,060,000	6,510	351	20,800,000	33,300	1,800
			3,660	88.9	123	Swissvale	3.13	233	236	338,000	3,800	92.3	898,000	10,100	245
			16,900	484	684	Wilksburg	-	1,350	1,350	1,870,000	3,870	111	4,750,000	9,800	280
UM	M-48	CSO	1,440	39.8	214	Swissvale	86.6	-	86.6	586,000	14,700	406	4,400,000	111,000	3,050
UM	M-49	CSO	13,200	550	915	TOTAL	91.3	1,750	1,840	2,510,000	4,560	190	10,100,000	18,400	769
			6,180	289	508	Munhall / MSSMA	91.3	822	913	1,390,000	4,810	225	6,340,000	21,900	1,030
			5,590	218	325	West Mifflin / WMSSA	-	741	741	892,000	4,080	160	3,030,000	13,900	542
			1,390	42.6	82.0	Whitaker	-	187	187	225,000	5,270	161	763,000	17,900	548
UM	M-50	CSO	4,830	194	107	TOTAL	322	-	322	293,000	1,510	60.6	5,580,000	28,800	1,160
			987	64.3	25.6	Rankin	77.2	-	77.2	70,100	1,090	71.0	1,340,000	20,800	1,360
			3,840	134	81.2	Swissvale	245	-	245	222,000	1,660	58.0	4,240,000	31,700	1,110
UM	M-51	CSO	3,540	NA	972	TOTAL	208	320	528	2,660,000	NA	752	7,780,000	NA	2,200
			320	NA	75.9	Braddock	23.7	-	23.7	208,000	NA	650	711,000	NA	2,220
			795	NA	252	Braddock Hills	-	266	266	689,000	NA	867	1,260,000	NA	1,590
			1,470	NA	369	Rankin	115	-	115	1,010,000	NA	688	3,450,000	NA	2,350
			946	NA	275	Swissvale	69.8	54.2	124	754,000	NA	797	2,350,000	NA	2,490
UM	M-52	CSO	403	28.8	159	Braddock	35.4	-	35.4	436,000	15,200	1,080	1,840,000	63,800	4,560
UM	M-53	CSO	221	19.2	77.1	Braddock	26.9	-	26.9	211,000	11,000	955	825,000	43,000	3,730
UM	M-54	CSO	2,330	120	134	TOTAL	166	-	166	366,000	3,050	157	5,100,000	42,500	2,190
			971	65.5	66.9	Braddock	83.3	-	83.3	183,000	2,800	189	2,550,000	39,000	2,630
			1,360	51.9	66.8	North Braddock	83.2	-	83.2	183,000	3,530	134	2,550,000	49,100	1,870
UM	M-55	CSO	1,710	98.7	336	TOTAL	135	28.3	163	920,000	9,320	538	5,480,000	55,500	3,200
			134	24.1	30.3	Braddock	12.9	-	12.9	83,100	3,450	620	511,000	21,200	3,810
			679	6.40	19.2	Braddock Hills	-	28.3	28.3	52,700	8,230	77.5	149,000	23,300	220
			898	68.3	286	North Braddock	122	-	122	784,000	11,500	873	4,820,000	70,600	5,370

Table C (Revised April 19, 2016)

ALCOSAN Response to Paragraph 30 of USEPA Information Requirement, Dated June 3, 2015 as Modified October 15, 2015, Table C

= Municipal points of connection  
 = Multi-municipal points of connection

A Planning Basin	B ALCOSAN Point of Connection	C Type of Point of Connection	D Estimated Future Service Population*	E Estimated Public Sewers (inch-miles)*	F Typical Year Flow Contribution (MG)	G Contributing Municipality/Authority	H Approximate Tributary Area for Estimating Flow Contributions in Multi-Municipal POC Sewersheds			I Estimated Annual Average Flow Contribution for Typical Year			J Estimated Maximum Day Flow Contribution for Typical Year		
							K Combined Area (acres)	L Sanitary Area (acres)	M Total Area (acres)	N (gpd)	O (gpimd)	P (gpcd)	Q (gpd)	R (gpimd)	S (gpcd)
UM	M-56	CSO	83	15.8	20.3	Braddock	24.9	-	24.9	55,700	3,520	671	928,000	58,700	11,200
UM	M-57	CSO	695	48.7	111	TOTAL	82.1	-	82.1	303,000	6,220	436	1,880,000	38,500	2,700
			274	28.0	53.6	Braddock	39.8	-	39.8	147,000	5,250	536	910,000	32,500	3,320
			421	20.7	57.0	North Braddock	42.3	-	42.3	156,000	7,540	371	967,000	46,700	2,300
UM	M-58	CSO	336	27.1	71.7	TOTAL	46.1	-	46.1	196,000	7,250	585	943,000	34,800	2,810
			153	20.3	55.0	Braddock	35.3	-	35.3	151,000	7,420	984	723,000	35,600	4,720
			183	6.80	16.8	North Braddock	10.8	-	10.8	45,900	6,750	251	220,000	32,400	1,200
UM	M-60	CSO	443	40.8	68.6	TOTAL	87.1	-	87.1	188,000	4,600	424	2,230,000	54,700	5,040
			270	29.3	51.2	Braddock	65.0	-	65.0	140,000	4,780	519	1,670,000	56,800	6,170
			173	11.4	17.4	North Braddock	22.1	-	22.1	47,700	4,180	276	566,000	49,700	3,270
UM	M-61	CSO	-	0.574	11.4	Private Ownership (in Braddock/North Braddock)	4.38	-	4.38	31,300	54,500	NA	131,000	228,000	NA
<b>Totals</b>			984,000	42,900	90,200		32,400	103,000	135,000	247,000,000	5,760	251	1,140,000,000	26,600	1,160

\*Due to the different data sources used and other updates since the WWP submission, the sum of the values for each customer municipality in a multi-municipal POC can sometimes differ from the total value for the POC. In all but a few cases the differences are minor.

Footnotes

1. Collier Township owns and operates the sewer system tributary to POC C-50. The Collier Township Municipal Authority owns and operates the remaining sewer systems tributary to its other POCs with ALCOSAN
2. C-40 - This POC is present in the model but has since been converted to a storm outfall with flows now tributary to POCs C-34A & C-35. The outfall has temporarily been opened as a municipal outfall.
3. Also known as Robinson Run and is operated and maintained by the Robinson Run Advisory Group (RRAG) which is comprised of Oakdale, McDonald, North Fayette, and South Fayette .
4. O-11 - This POC is present in the models but has since been closed and the regulator has been sealed. Combined and sanitary sewer flows are now directed to POC O-13.
5. A-63 - This POC is eliminated in the models but actual closure has not yet been confirmed by ALCOSAN.
6. A-66 - This POC is eliminated in the model. It has been closed and ALCOSAN has confirmed that the regulator has been sealed. Sanitary flows are directed to adjoining POCs.
7. Girty's Run Joint Sewer Authority encompasses McCandless, Millvale, Reserve, Ross and Shaler.
8. The O-15 communities share common sewershed concerns with respect to sewer compliance and operation through formal written agreements with the Lowries Run Joint Operating Committee, a jointure composed of MTSA and Ross Township.
9. A-55 - This municipal point of connection has been sealed but the regulator has not been sealed.