

To: Wallace Township Board of Supervisors

From: Michael Swininger

Date: July 29th, 2008

Re: Guidelines for number of police officers to patrol Wallace Township

Gentlemen,

At the last Township meeting, a majority of the discussion was focused on what would be the appropriate staffing level of the new police department. Opinions ranged from establishing a 24 hour police department with nine or ten officers to a part time department with three or four officers and every other possible option in between. Emotions were running high and I personally believe emotions need to be kept in check and important decisions, like this one, need to be made based on factual information.

When I began forming the West Vincent Township Police Department, I contacted The International Association of Chiefs of Police Association and the Pennsylvania Governor's Center for Local Government Services for guidance on determining the number of police officers needed to provide adequate protection for the municipality. Both organizations supplied information regarding the startup of a police agency and provided a formula for calculating the suggested number of police officers needed, based on population and call volume. I reached out to both organizations again and utilized their guidance in making my recommendations regarding staffing for the Wallace Township Police Department.

My first step was to obtain the most current population data available for Wallace Township. According to the most recent census, the population of the Township is approximately 3200.

I next researched the number of calls for police services in Wallace Township, for the year 2007. The Brandywine Regional

Police Chief provided a written summary of police calls in Wallace Township for the year, which totaled 1840 calls. The report had the calls in Wallace broken down by; total calls for service, traffic citations, traffic warnings, criminal arrests and summary arrests. I have attached a copy of the chief's report for your information.

I next contacted the Chester County Department of Emergency Services (DES), which operates the 911 center in West Chester. Most police departments in Chester County use the services of DES to receive their calls for service by phone and to dispatch their police departments. BRPD is among the many departments that use the services provided by the DES 911 center. The 911 center operates a Computer Aided Dispatch (CAD) which keeps track of police calls received and dispatched and assigns a computer generated incident number to each call for service. The CAD also assigns an incident number for each occurrence of officer initiated activity (such as traffic stop, pedestrian stop, DUI stop, arrest, etc.) when a police officer calls it in to the 911 center via phone, MDC transmission, or via radio. DES provided me with a complete break down of the calls for service they have on file for the BRPD, which occurred in Wallace Township during 2007. I was also able to obtain a breakdown of the types of calls as well as the dates and times of the calls. DES has a record of 1050 police calls in Wallace Township for the year. For the purpose of this report I have used the information provided by DES, since it is verifiable via the records generated by DES.

In 2007, 1050 calls for all police services in Wallace Township, including officer initiated activities such as traffic stops, pedestrian stops and suspicious conditions, averaged out to less than 3 calls per day. The number one type of call for police service was "phone assignment", there were 132. DES records for 2007 reflect a very low call for service rate and very low crime rate for Wallace Township as compared to many other municipalities in Chester County. Most calls occurred between the hours of 7:00 A.M. and 9:00P.M. During a few months in 2007 there were no calls for service between the hours of 2:00 A.M. and 5:00 A.M. For your information, I have attached a copy of the calls for police services in Wallace Township data that was provided to me by DES.

The International Association of Chiefs of Police provides a formula for determining patrol force manpower needs based on the actual or estimated complaint or incident experience in the community. The IACP formula is also utilized by the Pa Governor's Center and when considered with other methods, has been very reliable and relevant. The formula takes several factors into consideration including the duration of calls, officer time off, hours of patrol, volume of calls and population. Incidents that are handled over the phone, internal police matters and traffic stops are removed from the formula. Administrative tasks and positions are not factored in. Following the guidelines set forth by the IACP and using the Township information stated previously, here is the formula and result:

IACP Formula to determine police personnel needs for Wallace Township

Number of calls for police services	1050
Deduction of phone assignments, reports, traffic	<u>- 327</u>
Total calls less deductions	723
X. 75 (45 minutes)	542.25
X 3 buffer factor	1626.75
Divided by 2920 total number of hours to staff Single patrol unit	<u>.557</u>
Total number of patrol unit's necessary to police Community	.557
When factoring out time off, vacation, court, training and sick time it takes 1.8 police officers to staff a patrol unit.	X 1.8
Total number of police officers recommended for Wallace Township	1.00

Based on the IACP and Pennsylvania Governor's Center formula, the recommended number of police officers to provide adequate coverage in Wallace Township, is one full time officer and a police chief.

As I stated in my opening remarks, the decision on staffing the police department should be made based on facts and not emotions. It is in my opinion, not necessary to create a police department with 6 full time officers and 4 part time officers; the need for that amount of manpower is unwarranted. The Board of Supervisors may want to consider a smaller department to start providing part time coverage; this will allow your Chief to decide when it is appropriate to expand and save the municipality money over the next few years. Money saved could be used to cover the cost of additional police officers and/or a new police station in the future.

In closing, I hope the information I have provided will assist the Board in the decision making processes.

Thank you,

Michael Swininger

**Calls for police services in 2007 in Wallace
Township provided by the Brandywine
Regional Police Chief.**

BRANDYWINE REGIONAL POLICE

EAST BRANDYWINE TOWNSHIP AND WALLACE TOWNSHIP YEARLY SUMMARY

CHESTER COUNTY RADIO ROOM CALLS TRAFFIC CITATIONS / WARNINGS ACCIDENTS ARRESTS

2001 - 2007

	2001		2002		2003		2004		2005	
TOWNSHIP	EB	W	EB	W	EB	W	EB	W	EB	W
CCR Service calls	2655	1330	3430	1604	4249	2026	4548	2212	4614	2097
Traffic Citations	539	577	1201	526	1389	535	2140	820	2475	878
Traffic Warnings	109	125	288	120	672	248	520	233	494	181
Traffic Accidents	183	60	186	55	202	56	174	75	163	51
Criminal Arrests	26	9	40	11	61	30	76	39	53	37
Summary Arrests	48	17	38	17	49	26	42	29	45	22

	2006		2007		2008					
TOWNSHIP	EB	W	EB	W	EB	W	EB	W	EB	W
Calls for Service	4739	2140	4356	1840		511				
Traffic Citations	2822	948	2179	734						
Traffic Warnings	356	129	357	115						
Traffic Accidents	183	46	189	59						
Criminal Arrests	64	35	68	37						
Summary Arrests	55	13	34	20						

**Type and number of calls for police services
in 2007 in Wallace Township provided by the
Chester County Department of Emergency
Services.**

WALLACE TWP.

ITYPE

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FROM DATE: 01-JAN-07
 TO DATE: 31-DEC-07
 FROM TIME: 00:00
 TO TIME: 23:59
 CLASS: P
 AGENCY(S): 31PJ

Chester County Emergency Services Number of Incidents - By Type By Day

TYPE	SUN	MON	TUE	WED	THU	FRI	SAT	TOTAL
911	7	3	9	6	8	10	5	48
ABDPN					1			1
ALLERG	1				1			2
ARREST							2	2
ASSINJ						1		1
ACCENT				1				1
CCFIRE				1				1
ACCHR					2			2
ACCINJ	2					2	1	5
CCMC	1				1		2	4
ACCPD	3	9	4	7	3	5	5	36
ACCSER				1				1
CCUNK	4	2		1		3	1	11
CHSTPN	1	2	3	2	3		1	12
ACVA		1			1	1		3
ADIABET						1		1
EQUEST					1		1	2
AFALL	1	1		2				4
AHEAD		1			1			2
HEART	3	1					1	5
INJ						1		1
ALABOR						1		1
ALARMCO					1			1
LARMF	2	5	9	5	10	7	7	45
ALARMP	9	8	9	14	18	14	12	84
ANIMAL	6	11	8	15	11	5	8	64
OD	2	1	1	1			1	6
POISON	2							2
ARESPDF	1	3	2		1	4	2	13
SEIZUR					1	1	1	3
SSAULT		4	1	1	1	1		8
ASSIST	1		1	1	1			4
ASYNCO			2	1	2	2	1	8
UNC				1		2		3
UNRESP					1			1
BABDPN		1			1			2
PACKUP		1		1			1	3
ALLERG		1						1
LFALL		2	1	1			1	5



Chester County Emergency Services
Number of Incidents - By Type By Day

TYPE	SUN	MON	TUE	WED	THU	FRI	SAT	TOTAL
BFRAC			1					1
BHYPRTN		1						1
BINJ		1				2	2	5
BLACR	1		1		1			3
BMENTAL			2		1		2	5
BRUSH				1				1
BSICK	1	1	1	4	1	1	4	13
BURG				3		1		4
CAR					1	1		2
COMPOST						1		1
CRIMMIS			1	4		1	1	7
DISTURB	3	2	1	4	4	2		16
DOMESTI	8	3	1	4	2	3	3	24
DRUGS		1	1	1	1		1	5
DUI						1	2	3
ELECIN		1						1
ERRATIC		1	2	4	4	4	1	16
ESCORT		2		1	1			4
FPDI	6	8	10	6	3	4	6	43
FUEL			1					1
HARASS		3			1			4
HOUSE		1	1				1	3
INVOUT	2							2
KEY				3		1	2	6
MISC	2	9	8	4	5	6	8	42
MISSING	5	4	4	4	2	5	5	29
NOISE	4				2	3	5	14
PARKING		1	1	1				3
PHONE	17	16	20	25	21	19	14	132
PROWLER	1							1
REPO			1					1
REPORT	9	9	13	16	8	12	9	76
SEARCH					1			1
SHOTS						3	1	4
STOP							1	1
STVH	1							1
SUSPCON	8	3	4	8	10	7	6	46
THEFT		2	1	5	3			11
TRAFFIC	7	20	6	10	12	13	8	76
TRASH				1			2	3
TRESPAS	2	2	1			2	3	10
STOP		2				1	2	5
UNKFIRE	1						1	2
UNKPD				1				1
WARRANT	1	1		1	4	2		9
WELLBNG	1		2	1	3		1	8

Chester County Emergency Services
Number of Incidents - By Type By Day

TYPE	SUN	MON	TUE	WED	THU	FRI	SAT	TOTAL
WIRES				1	1		2	4
TOTALS	126	151	134	175	162	156	146	1,050

**Police calls for Wallace Township in 2007
listed by month of the year and time provided
by the Chester County Department of
Emergency Services.**

CHESTER COUNTY EMERGENCY SERVICES
Number of Incidents By Date By Hour

[illegible]

1

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FROM DATE: 01-MAR-07
TO DATE: 31-MAR-07
FROM TIME: 00:00
TO TIME: 23:59
CLASS: P
AGENCY(S): 31PJ

CHESTER COUNTY EMERGENCY SERVICES
Number of Incidents By Date By Hour

[illegible]

FROM DATE: 01-APR-07
TO DATE: 30-APR-07
FROM TIME: 00:00
TO TIME: 23:59
CLASS: P
AGENCY(S): 31PJ

CHESTER COUNTY EMERGENCY SERVICES
Number of Incidents By Date By Hour

DATE	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
04/01															1		1								2
04/02								1			1					1			1						4
04/03								1									1								2
04/04													1	1									1		3
04/05	1					1									1	1	2	1		1					8
04/06																			1		1				2
04/07											2					1							1		4
04/08									1										1					1	4
04/09													1			1	1				1				3
04/10								1								1			1		2				5
04/11																	1	1	2		1				5
04/12											2	1							1						4
04/13																1			1						2
04/14	1				1						2				1		1					1			7
04/15								1			1				1		.								3
04/16					3				1		1	1													5
04/17		1																							1
04/18																2							1		3
04/19									1																1
04/20	1										1							1							3
04/21									2						2					1					5
04/22																1									1
04/23								1		1					2								1		4
04/24								1	1		1														3
04/25						1										1				1					3
04/26																	1								1
04/27								2	1							1						1	1		6
04/28									1	1	3		1	1			1								8
04/29											1	1		1	1							1			7
04/30													1					1	2				1		4
TOTAL AVG	3 0	1 0	0 0	0 0	4 0	2 0	0 0	6 0	4 0	7 0	8 0	8 0	5 0	3 0	9 0	11 0	9 0	4 0	11 0	4 0	4 0	3 0	6 0	1 0	11

FROM DATE: 01-MAY-07

TO-DATE: 31-MAY-07

FROM TIME: 00:00

TO TIME: 23:59

CLASS: _____ p

AGENCY(S): 31PJ

CHESTER COUNTY EMERGENCY SERVICES

Number of Incidents By Date By Hour

[illegible]

IDATE

FROM DATE: 01-JUN-07
TO DATE: 30-JUN-07
FROM TIME: 00:00
TO TIME: 23:59
CLASS: P
AGENCY(S): 31PJ

CHESTER COUNTY EMERGENCY SERVICES
Number of Incidents By Date By Hour

[illegible]

FROM DATE: 01-JUL-07

TO DATE: 31-JUL-07

FROM TIME: 00:00

TO TIME: 23:59

CLASS: _____ p

AGENCY(S): 31PJ

CHESTER COUNTY EMERGENCY SERVICES

Number of Incidents By Date By Hour

DATE	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
07/01																		1			1		1		3
07/02										1	1	1		1											4
07/03												1		1							1	1			4
07/04											2	1			1					1				1	6
07/05														1			2		1						5
07/06									1		1							1				1	1		5
07/07	1													1							1				3
07/08											1				1							1			5
07/09												1								2	1	1	1		5
07/10												1					1								3
07/11													1												2
07/12									1																1
07/13																					1				1
07/14																1								1	2
07/15										1							1			1			1		3
07/16																		1							1
07/17						1					1	1							1				1		5
07/18							1		1	1							1			1			1		7
07/19									1	1		1						1		1		1			6
07/20																2									2
07/21																			1						1
07/22	1			1						2								1							3
07/23		1						1								1									5
07/24													1			1				2					4
07/25	1			1				1					1			1									5
07/26																				1					1
07/27				1				1								1							2		5
07/28																						1			2
07/29																1									1
07/30																	1		1						1
07/31								1												1					1
TOTAL	3	1	1	2		1	1	4	4	6	6	7	2	4	2	9	4	6	7	7	5	10	3	2	97
AVG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

CHESTER COUNTY EMERGENCY SERVICES
Number of Incidents By Date By Hour

[illegible]

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CHESTER COUNTY EMERGENCY SERVICES
Number of Incidents By Date By Hour

DATE	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL	
10/01																										
10/02								1					1	1					1							2
10/03								1	1			1		2					1							4
10/04													1			1										4
10/05													1		1											2
10/06											1					1	1					1				3
10/07											1				1		1		1							3
10/08					1								1			1	3						1			5
10/09							1				1			1		1		1								4
10/10											1										1		1			4
10/11			2	1		1												1		1						2
10/12								2								1										5
10/13											1	1				2	1						1			6
10/14		1						1								1		1	1	2	1					8
10/15																				1						3
10/16										2					1							1				3
10/17										1				1												2
10/18	1									1									1				2			4
10/19										1	1								1			1			1	5
10/20													1			1										1
10/21																						1				2
10/22			1										1		2							1				1
10/23									2	1				1												4
10/24																					2		1			7
10/25											1	2		1	1			1								1
10/26											1								1							6
10/28			1								1									2				2		5
10/29				1							1						1					1				4
10/30																			1							2
10/31							1			1		1		1		1										3
TOTAL	1	1	4	2	1	1	2	5	3	8	8	3	6	7	4	10	6	5	5	6	7	5	4	3		107
AVG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		2

FROM DATE: 01-NOV-07

TO DATE: 30-NOV-07

FROM TIME: 00:00

TO TIME: 23:59

CLASS: _____ P _____

AGENCY(S): 31PJ

CHESTER COUNTY EMERGENCY SERVICES

Number of Incidents By Date By Hour

[illegible]

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CHESTER COUNTY EMERGENCY SERVICES
Number of Incidents By Date By Hour

[illegible]