



Wyoming Alcohol and Tobacco Compliance Checks, 2009

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Wyoming Alcohol and Tobacco Compliance Checks, 2009

1. Summary

In Spring 2009 the Wyoming Association of Sheriffs and Chiefs of Police (WASCP) engaged the Wyoming Survey & Analysis Center (WYSAC) to complete the data entry, analysis, and reporting for the annual tobacco and alcohol sales compliance inspection checks performed by Wyoming police officers. This marks the third consecutive year that WYSAC has handled this project.

Data entry began in July and concluded in August, 2009. After all inspection forms were entered into a database, the data were analyzed. The results are summarized in tables found in Section 3 of this report. A total of 1107 alcohol and 741 tobacco inspection compliance forms were received by WYSAC and entered in the database. Of those, 1074 alcohol and 734 tobacco forms were determined to be valid and subsequently included in the analysis.

2. Methods

Inspection forms were delivered to WYSAC by the Wyoming Association of Sheriffs and Chiefs of Police. Forms were manually entered by trained WYSAC staff into a custom-built Microsoft Access Database. All officers who did not properly finish their inspection forms were contacted for clarification in an attempt to fill missing data, a process which extended from August to September.

Once data input was completed, the database was imported into PASW Statistics 17.0 for processing, where cross-tabulations and frequency tables were generated. Finally, the database was converted into a Microsoft Excel file for electronic delivery to WASCP.

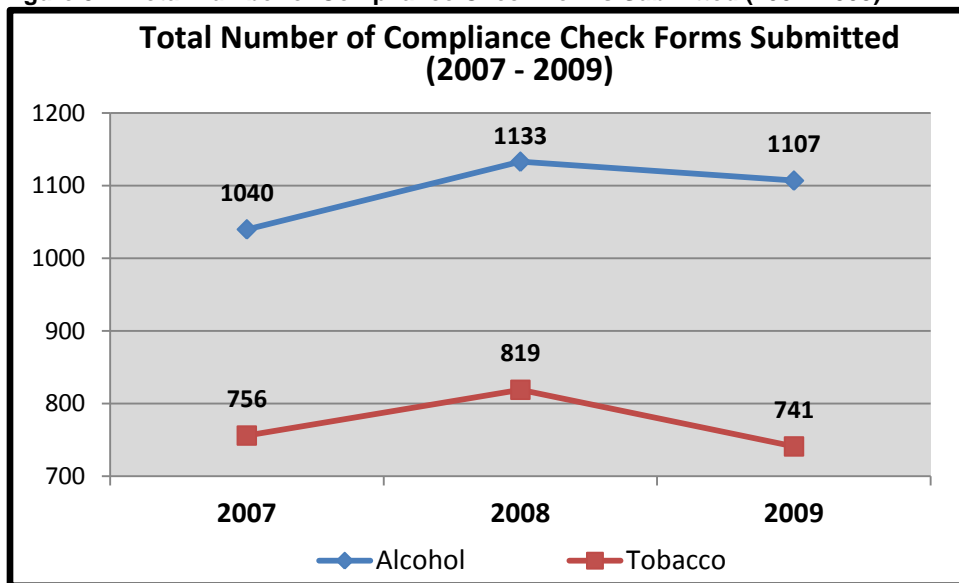
Inspection forms indicating only a warning was issued were considered a violation of compliance for data analysis purposes, though no citations were issued. Entries which indicated an unsuccessful attempt (i.e., business closed, no longer selling alcohol/tobacco) were considered a null attempt and not included in the total compliance check count and the data analysis. Compliance rates are calculated by dividing the number of non-infractions reported by the number of compliance checks performed. This rate is considered valid because all compliance forms included in the calculations had a *resolution*, thus leaving no missing data associated with them.

3. Results

3.1. Overall Compliance Checks Counts (2007 – 2009)

The total number of compliance check forms submitted for 2007, 2008, and 2009 are shown below in Figure 3.1. These totals include forms that were not used in the calculation of compliance rates, such as for businesses that were closed. Each year the number of completed forms for compliance with alcohol sales submitted to WYSAC for data entry and analysis has been substantially higher than the completed forms for compliance checks for tobacco sales. The highest number of compliance check forms for both alcohol and tobacco sales were submitted to WYSAC in 2008.

Figure 3.1. Total Number of Compliance Check Forms Submitted (2007–2009)



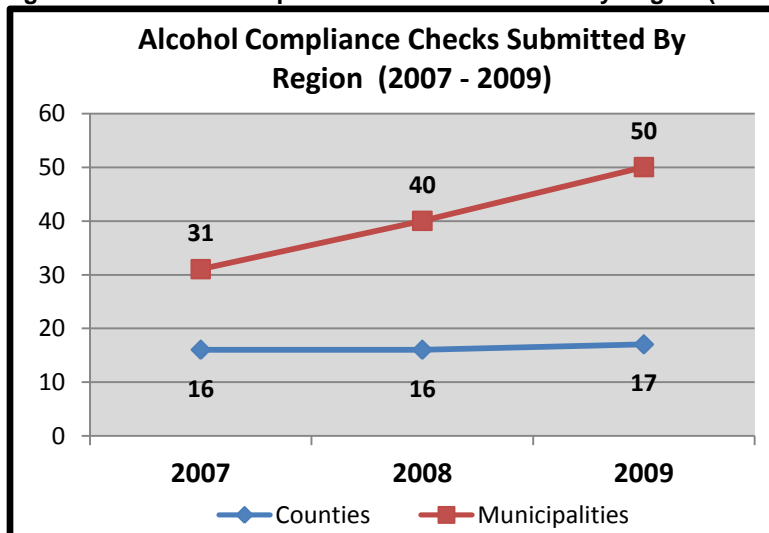
3.2. Alcohol Compliance Checks Results

In 2009 a total 1107 alcohol compliance check forms were submitted to WYSAC. After removing null attempts 1074 forms were determined to be valid checks and included in the calculations of compliance rates.

Inspection forms indicating only a warning was issued were considered a violation of compliance for data analysis purposes, though no citations were issued. Data which represented an unsuccessful attempt because the business was closed were considered a null attempt and not included in the total compliance check count or calculations. Compliance rates were calculated by dividing the number of non-infractions reported by the number of compliance checks performed. Each qualifying establishment received one of three values: no violation, citation, or warning.

As shown below in Figure 3.2, in 2009 alcohol forms were returned for 17 Wyoming counties, an increase of 1 compared to 2007 and 2008, and for 50 Wyoming cities and unincorporated communities (such as Rozet and Moose), which is 10 more than in 2008 and 19 more than 2007. While the total number of forms submitted decreased from 2008 to 2009, the number of reporting counties and municipalities increased. The main increase seen in municipalities reporting comes from small unincorporated communities, of which almost none reported in 2007.

Figure 3.2. Alcohol Compliance Checks Submitted By Region (2007–2009)



Following are the results from the alcohol compliance checks performed in 2009. Compliance rates are presented first by county, then by municipality. Locations listed in blue demonstrated top quartile compliancy, 75.1% or more, black indicates 50.1% to 75% compliance, orange is 25.1% to 50% compliance, and red indicates compliance rate of 25% or less. Overall statewide alcohol compliance for all reporting counties and cities was 84.5%, which is an increase of 2 percentage points from 2008¹. It should be noted that different municipalities have submitted checks each year, so this comparison should not be considered representative of the "statewide compliance rate" but rather a comparison of the overall compliance rates for those municipalities that submitted forms.

Results by county, presented in Table 3.1, indicate that Lincoln County had the highest alcohol compliance rate at 95.2% and Goshen County (90.0%), Sweetwater County (91.2%), and Teton County (92.9%) were all 90% or higher compliant. The counties of Albany (80.0%), Converse (88.2%), Fremont (81.8%), Laramie (87.7%), Park (86.6%) Sheridan (86.6%), Uinta (80.6%) and Campbell (80.5%) all had compliance rates between 80% and 89.9%. Natrona (66.7%), Sublette (69.2%), and Washakie (62.5%) counties were between 60% and 69.9%. Carbon County (58.8%) had a compliance rate between 50% and 59.9%. Johnson County had the lowest reported alcohol compliance rate at 25.0%

Table 3.2 displays the alcohol compliance rate and infractions listed by municipality. It should be noted that for many of these municipalities there were very small sample sizes (5 or less) which can result in more extreme rates (100% or 0%). Star Valley returned two forms, but indicated for both that the business was closed. In this case it is not possible to calculate a compliance rate.

Table 3.3 summarizes alcohol compliance rates for all municipalities. The municipalities of Afton, Bill, Boulder, Cokeville, Daniel, Diamondville, Green River, Hillsdale, Hudson, Kinnear, La Barge, Marbleton, Moose, Pavillion, Riverton, Rozet, Savageton, Thayne, and Wilson all had perfect compliance rates of 100%. Douglas, Jackson, Kemmerer, Teton Village, and Torrington had compliance rates between 90% and 99.9%. Alpine, Cheyenne, Cody, Evanston, Gillette, Laramie, Powell, Rock Springs, Sheridan, and Shoshoni all had compliance rates between 80% and 89.9%. The municipalities of Big Piney, , Lander, and Moran had rates between 70% and 79.9%. Burns, Casper, Pinedale, and Worland had rates between 60% and 69.9%, while Bondurant, Buffalo, Cora, Dubois, and Rawlins were between 25% and 59.9%. Glenrock, Recluse, and Wright all had the lowest alcohol compliance rates of 0%, demonstrating no compliancy.

¹ WYSAC (2008) *Wyoming Alcohol and Tobacco Compliance Checks, 2008*, by Holder, W. T. (WYSAC Technical Report No. SRC-811). Laramie, WY: Wyoming Survey & Analysis Center, University of Wyoming.

Table 3.1. Alcohol Compliance Rate and Number of Violations by County (2009)

County	Alcohol Compliance Checks	No Infractions	Prohibited Sales Violation	Warning	Closed	Compliance Rate
Albany	75	60	15	0	0	80.0%
Campbell	72	58	10	4	0	80.5%
Carbon	17	10	7	0	0	58.8%
Converse	34	30	4	0	6	88.2%
Fremont	110	90	18	2	2	81.8%
Goshen	40	36	4	0	0	90.0%
Johnson	16	4	12	0	0	25.0%
Laramie	154	135	17	2	0	87.7%
Lincoln	63	60	3	0	18	95.2%
Natrona	15	10	5	0	0	66.7%
Park	112	97	15	0	0	86.6%
Sheridan	67	58	9	0	7	86.6%
Sublette	26	18	8	0	0	69.2%
Sweetwater	91	83	7	1	0	91.2%
Teton	112	104	3	5	0	92.9%
Uinta	62	50	12	0	0	80.6%
Washakie	8	5	3	0	0	62.5%
Total	1074	908	152	14	33	84.5%

Table 3.2. Alcohol Compliance Rate and Number of Violations by Municipality (2009)

County	City	Alcohol Compliance Checks	No Infractions	Prohibited Sales Violation	Warning	Closed	Compliance Rate
Lincoln	Afton	17	17	0	0	1	100.0%
Lincoln	Alpine	16	14	2	0	2	87.5%
Sublette	Big Piney	4	3	1	0	0	75.0%
Converse	Bill	1	1	0	0	0	100.0%
Sublette	Bondurant	2	1	1	0	0	50.0%
Sublette	Boulder	1	1	0	0	0	100.0%
Johnson	Buffalo	16	4	12	0	0	25.0%
Laramie	Burns	3	2	1	0	0	66.7%
Natrona	Casper	15	10	5	0	0	66.7%
Laramie	Cheyenne	148	130	16	2	0	87.8%
Park	Cody	46	41	5	0	0	89.1%
Lincoln	Cokeville	2	2	0	0	1	100.0%
Sublette	Cora	2	1	1	0	0	50.0%
Sublette	Daniel	2	2	0	0	0	100.0%
Lincoln	Diamondville	4	4	0	0	1	100.0%
Converse	Douglas	32	29	3	0	5	90.6%
Fremont	Dubois	14	6	8	0	0	42.9%
Uinta	Evanston	62	50	12	0	0	80.6%
Campbell	Gillette	66	55	10	1	0	83.3%
Converse	Glenrock	1	0	1	0	1	0.0%
Sweetwater	Green River	14	14	0	0	0	100.0%
Laramie	Hillsdale	3	3	0	0	0	100.0%
Fremont	Hudson	3	3	0	0	0	100.0%
Teton	Jackson	87	82	2	3	0	94.3%
Lincoln	Kemmerer	17	16	1	0	3	94.1%
Fremont	Kinnear	5	5	0	0	0	100.0%
Lincoln	La Barge	2	2	0	0	8	100.0%
Fremont	Lander	47	37	8	2	0	78.7%
Albany	Laramie	75	60	15	0	0	80.0%
Sublette	Marbleton	2	2	0	0	0	100.0%
Teton	Moose	1	1	0	0	0	100.0%
Teton	Moran	7	5	1	1	0	71.4%
Fremont	Pavillion	1	1	0	0	0	100.0%
Sublette	Pinedale	13	8	5	0	0	61.5%
Park	Powell	66	56	10	0	0	84.8%
Carbon	Rawlins	17	10	7	0	0	58.8%
Campbell	Recluse	1	0	0	1	0	0.0%
Fremont	Riverton	26	26	0	0	2	100.0%
Sweetwater	Rock Springs	77	69	7	1	0	89.6%
Campbell	Rozet	2	2	0	0	0	100.0%
Campbell	Savageton	1	1	0	0	0	100.0%
Sheridan	Sheridan	67	58	9	0	7	86.6%
Fremont	Shoshoni	14	12	2	0	0	85.7%
Lincoln	Star Valley	0	0	0	0	2	-
Teton	Teton Village	11	10	0	1	0	90.9%
Lincoln	Thayne	5	5	0	0	0	100.0%
Goshen	Torrington	40	36	4	0	0	90.0%
Teton	Wilson	6	6	0	0	0	100.0%
Washakie	Worland	8	5	3	0	0	62.5%
Campbell	Wright	2	0	0	2	0	0.0%
Total		1074	908	152	14	33	84.5%

Table 3.3. Summary of Alcohol Compliance Rates by Municipality (2009)

Summary of Alcohol Compliance Rates by Municipality (2009)						
100%	99.9% - 90.0%	89.9% - 80.0%	79.9% - 70.0%	69.9% - 60.0%	59.9% - 25.0%	0.0%
○ Afton	○ Douglas	○ Alpine	○ Big Piney	○ Burns	○ Bondurant	○ Glenrock
○ Bill	○ Jackson	○ Cheyenne	○ Lander	○ Casper	○ Buffalo	○ Recluse
○ Boulder	○ Kemmerer	○ Cody	○ Moran	○ Pinedale	○ Cora	○ Wright
○ Cokeville	○ Teton Village	○ Evanston		○ Worland	○ Dubois	
○ Daniel	○ Torrington	○ Gillette			○ Rawlins	
○ Diamondville		○ Laramie				
○ Green River		○ Powell				
○ Hillsdale		○ Rock Springs				
○ Hudson		○ Sheridan				
○ Kinnear		○ Shoshoni				
○ La Barge						
○ Marbleton						
○ Moose						
○ Pavillion						
○ Riverton						
○ Rozet						
○ Savageton						
○ Thayne						
○ Wilson						

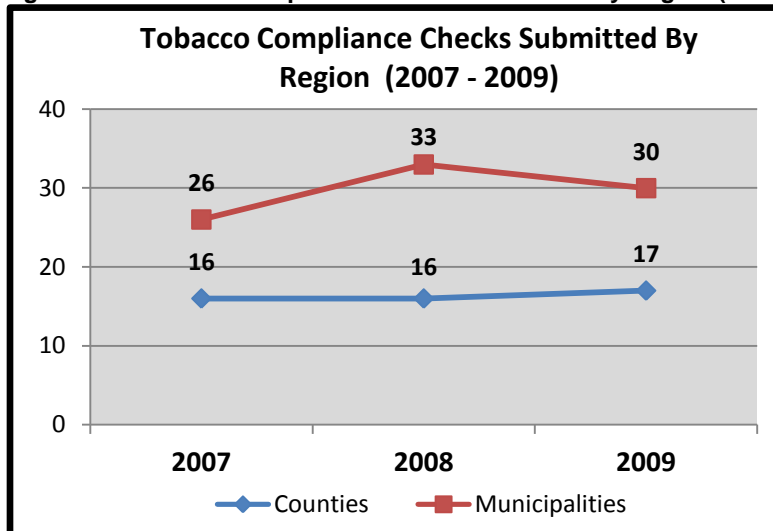
3.3. Tobacco Compliance Checks Results

In total, 741 tobacco compliance checks were submitted to WYSAC and entered in the database. After removal of null attempt forms a total of 734 checks were included in the calculations and analysis.

Inspection forms indicating only a warning was issued were considered a violation of compliance for data analysis purposes, though no citations were issued. Data which represented an unsuccessful attempt because the business was closed or no longer sells tobacco were considered a null attempt and not included in the total compliance check count or calculations. Compliance rates were calculated by dividing the number of non-infractions reported by the number of compliance checks performed.

As shown in Figure 3.3 (below), tobacco forms were returned for 17 counties, an increase of 1 compared to 2007 and 2008, and 30 cities, a decrease of 3 from 2008 and an increase of 4 from 2007. Yearly there have been substantially fewer compliance checks for tobacco sales completed than for alcohol sales. Alcohol compliance checks were completed in 50 municipalities in 2009, and tobacco checks were completed only in 30. This is a noteworthy difference of 20 locations across the state, despite the fact that statewide tobacco is sold at more locations than is alcohol.

Figure 3.3. Tobacco Compliance Checks Submitted By Region (2007–2009)



Following are the results from the tobacco compliance checks performed in 2009. Locations listed in blue demonstrated top quartile compliancy, 75.1% or more, black indicates 50.1% to 75% compliance, orange is 25.1% to 50% compliance, and red indicates compliance rate of 25% or less. Overall statewide tobacco sales compliance was 83.9%, an increase of half a percentage point from 2008². It should be noted that different municipalities have submitted checks each year, so this comparison should not be considered representative of the "statewide compliance rate" but rather a comparison of the overall compliance rates for those municipalities that submitted forms.

Results by county, presented in Table 3.4, indicate that Washakie had a perfect tobacco compliance rate of 100%. The counties of Lincoln (94.0%), Natrona (92.5%), Park (92.3%), and Sweetwater (90.0%) all returned compliance rates between 99.9% and 90.0%. Converse (81.8%), Fremont (85.9%), Laramie (81.3%), Sheridan (84.8%), Teton (88.1%), and Uinta (87.5%) counties had rates between 80% and 89.9%. Albany County (74.6%), Campbell County (71.4%), and Goshen County (77.5%) had compliance rates between 70% and 79.9%. Carbon (69.2%) and Sublette (61.5%) counties had compliance rates between 60% and 69.9%. Hot Springs County was at 50.0% compliancy, the lowest rate reported.

Table 3.5 displays the tobacco compliance rate and infractions listed by municipality. It should be noted that for many of these municipalities there were very small sample sizes (5 or less) which can result in more extreme rates (100% or 0%).

Table 3.6 summarizes tobacco compliance rates for all municipalities. Alpine, Daniel, Diamondville, Etna, Green River, Kemmerer, La Barge, and Worland all had perfect compliance rates of 100%. The municipalities of Afton, Casper, Lander, and Powell all had rates of 90% or greater. The rates for Cheyenne, Douglas, Evanston, Jackson, Riverton, Rock Springs, Sheridan, and Thayne were between 80% and 89.9%. The municipalities of Gillette, Laramie, Marbleton, and Torrington all had compliance rates between 70% and 79.9%, while Cokeville and Rawlins were between 60% and 69.9%. Big Piney, Boulder, Pinedale, and Thermopolis all had the lowest tobacco compliance rates at 50.0%.

² WYSAC (2008) *Wyoming Alcohol and Tobacco Compliance Checks, 2008*, by Holder, W. T. (WYSAC Technical Report No. SRC-811). Laramie, WY: Wyoming Survey & Analysis Center, University of Wyoming.

Table 3.4. Tobacco Compliance Rate and Number of Violations by County (2009)

County	Tobacco Compliance Checks	No Infractions	Prohibited Sales Violation	Failure To Post Notice	Warning	Closed	Compliance Rate
Albany	59	44	9	0	6	0	74.6%
Campbell	14	10	4	0	0	0	71.4%
Carbon	13	9	4	0	0	0	69.2%
Converse	11	9	2	0	0	1	81.8%
Fremont	92	79	11	0	2	0	85.9%
Goshen	40	31	9	0	0	0	77.5%
Hot Springs	8	4	4	0	0	0	50.0%
Laramie	123	100	23	0	0	0	81.3%
Lincoln	50	47	3	0	0	5	94.0%
Natrona	80	74	6	0	0	0	92.5%
Park	13	12	1	0	0	0	92.3%
Sheridan	46	39	7	0	0	0	84.8%
Sublette	26	16	10	0	0	0	61.5%
Sweetwater	60	54	6	0	0	0	90.0%
Teton	59	52	7	0	0	1	88.1%
Uinta	32	28	4	0	0	0	87.5%
Washakie	8	8	0	0	0	0	100.0%
Total	734	616	110	0	8	7	83.9%

Table 3.5. Tobacco Compliance Rate and Number of Violations by Municipality (2009)

County	City	Tobacco Compliance Checks	No Infractions	Prohibited Sales Violation	Failure To Post Notice	Warning	Closed / Does Not Sell Tobacco	Compliance Rate
Lincoln	Afton	13	12	1	0	0	2	92.3%
Lincoln	Alpine	10	10	0	0	0	2	100.0%
Sublette	Big Piney	4	2	2	0	0	0	50.0%
Sublette	Boulder	4	2	2	0	0	0	50.0%
Natrona	Casper	80	74	6	0	0	0	92.5%
Laramie	Cheyenne	123	100	23	0	0	0	81.3%
Lincoln	Cokeville	3	2	1	0	0	1	66.7%
Sublette	Daniel	2	2	0	0	0	0	100.0%
Lincoln	Diamondville	1	1	0	0	0	0	100.0%
Converse	Douglas	11	9	2	0	0	1	81.8%
Lincoln	Etna	2	2	0	0	0	0	100.0%
Uinta	Evanston	32	28	4	0	0	0	87.5%
Campbell	Gillette	14	10	4	0	0	0	71.4%
Sweetwater	Green River	17	17	0	0	0	0	100.0%
Teton	Jackson	59	52	7	0	0	1	88.1%
Lincoln	Kemmerer	9	9	0	0	0	0	100.0%
Lincoln	La Barge	4	4	0	0	0	0	100.0%
Fremont	Lander	35	32	3	0	0	0	91.4%
Albany	Laramie	59	44	9	0	6	0	74.6%
Sublette	Marbleton	8	6	2	0	0	0	75.0%
Sublette	Pinedale	8	4	4	0	0	0	50.0%
Park	Powell	13	12	1	0	0	0	92.3%
Carbon	Rawlins	13	9	4	0	0	0	69.2%
Fremont	Riverton	57	47	8	0	2	0	82.5%
Sweetwater	Rock Springs	43	37	6	0	0	0	86.0%
Sheridan	Sheridan	46	39	7	0	0	0	84.8%
Lincoln	Thayne	8	7	1	0	0	0	87.5%
Hot Springs	Thermopolis	8	4	4	0	0	0	50.0%
Goshen	Torrington	40	31	9	0	0	0	77.5%
Washakie	Worland	8	8	0	0	0	0	100.0%
Total		734	616	110	0	8	7	83.9%

Table 3.6. Summary of Tobacco Compliance Rates by Municipality (2009)

Summary of Tobacco Compliance Rates by Municipality (2009)					
100%	99.9% - 90.0%	89.9% - 80.0%	79.9% - 70.0%	69.9% - 60.0%	59.9% - 50.0%
○ Alpine	○ Afton	○ Cheyenne	○ Gillette	○ Cokeville	○ Big Piney
○ Daniel	○ Casper	○ Douglas	○ Laramie	○ Rawlins	○ Boulder
○ Diamondville	○ Lander	○ Evanston	○ Marbleton		○ Pinedale
○ Etna	○ Powell	○ Jackson	○ Torrington		○ Thermopolis
○ Green River		○ Riverton			
○ Kemmerer		○ Rock Springs			
○ La Barge		○ Sheridan			
○ Worland		○ Thayne			