

ANALYSIS OF 2004 CALIFORNIA HOUSEHOLD PORTABLE FUEL CONTAINER SURVEY

Prepared by the CSUS Institute for Social Research
for the California Air Resources Board

September 2004

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Copy of Questionnaire 11

Table 1. Survey Response Rate^a

	Percent	Number of cases
Complete interview	41.9%	726
Partial interview	1.8%	31
Refusal	56.3%	977
Total	100.0%	1,734

^a The sample was a random digit sample for California and included households listed in telephone directories and those with unlisted, or non-published, numbers. The majority of the telephone interviews were conducted May 1 through May 10, 2004. In order to offset non-response bias in some of the more urban counties and to provide an adequate number of interviews in the South Coast Air Quality District, 100 additional interviews were conducted with households in Los Angeles, Orange, Riverside, San Bernardino, San Diego and San Francisco counties on June 9 and June 10, 2004.

Table 2. Number of Surveys for each Version of Survey

Version ^b	Complete	Partial	Total
4/26/2004	51	3	54
4/27/2004	185	11	196
5/5/2004	490	17	507
Total	726	31	757

^b A copy of the questionnaire on page 11 shows changes in questions and wording across versions.

Table 3. Number of Surveys Included in Analysis

	Spill-proof red plastic portable fuel containers	All other types of portable fuel containers included in survey
Surveys included in analysis	660	490
Surveys dropped from analysis ^c	66	236
Total	726	726

^c Respondents who provided unclear information regarding ownership of spill-proof red plastic portable fuel containers were dropped from the analysis of these types of containers. These respondents were either unsure whether their red plastic gas can had a spill-proof spout (N=43) or did not know whether they owned a red plastic gas can (N=23).

Respondents who were interviewed prior to the final 5/5/2004 version of the survey (N=236) were dropped from the analysis of blue plastic portable fuel containers, 5-gallon plastic portable fuel containers and metal gas cans. The two earlier versions of the survey did not include questions about how many of these containers households owned.

Table 4. Comparison of the Actual Distribution of California Households by County with the Distribution of Survey Respondents

County	Actual ^a		Survey Respondents	
	Number	Percent	Number	Percent
Alameda	538,081	4.5%	28	3.9%
Alpine	521	.0%	0	--
Amador	13,603	.1%	0	--
Butte	83,795	.7%	12	1.7%
Calaveras	18,013	.1%	2	.3%
Colusa	6,331	.1%	0	--
Contra Costa	360,819	3.0%	16	2.2%
Del Norte	9,434	.1%	0	--
El Dorado	64,005	.5%	4	.6%
Fresno	265,865	2.2%	24	3.3%
Glenn	9,413	.1%	2	.3%
Humboldt	52,712	.4%	5	.7%
Imperial	41,883	.3%	2	.3%
Inyo	7,792	.1%	0	--
Kern	223,618	1.9%	15	2.1%
Kings	36,598	.3%	4	.6%
Lake	24,577	.2%	2	.3%
Lassen	9,991	.1%	2	.3%
Los Angeles	3,184,446	26.5%	192	26.4%
Madera	39,052	.3%	2	.3%
Marin	102,431	.9%	8	1.1%
Mariposa	7,093	.1%	0	--
Mendocino	34,456	.3%	4	.6%
Merced	69,174	.6%	6	.8%
Modoc	3,938	.0%	0	--
Mono	5,625	.0%	0	--
Monterey	126,083	1.0%	3	.4%
Napa	48,276	.4%	3	.4%
Nevada	39,360	.3%	2	.3%
Orange	968,063	8.1%	59	8.1%
Placer	114,799	1.0%	6	.8%
Plumas	9,574	.1%	0	--
Riverside	571,955	4.8%	29	4.0%
Sacramento	490,856	4.1%	25	3.4%
San Benito	16,913	.1%	1	.1%
San Bernardino	556,937	4.6%	37	5.1%
San Diego	1,043,221	8.7%	65	9.0%
San Francisco	337,621	2.8%	17	2.3%
San Joaquin	199,335	1.7%	9	1.2%
San Luis Obispo	98,500	.8%	5	.7%
San Mateo	259,218	2.2%	11	1.5%
Santa Barbara	141,393	1.2%	7	1.0%
Santa Clara	586,855	4.9%	31	4.3%
Santa Cruz	93,305	.8%	4	.6%
Shasta	67,382	.6%	9	1.2%
Sierra	1,562	.0%	0	--
Siskiyou	19,220	.2%	2	.3%
Solano	138,181	1.2%	11	1.5%
Sonoma	179,565	1.5%	17	2.3%
Stanislaus	156,830	1.3%	10	1.4%
Sutter	28,768	.2%	2	.3%
Tehama	21,974	.2%	3	.4%
Trinity	5,697	.0%	0	--
Tulare	116,573	1.0%	4	.6%
Tuolumne	21,784	.2%	3	.4%
Ventura	255,741	2.1%	15	2.1%
Yolo	64,751	.5%	2	.3%
Yuba	21,241	.2%	4	.6%
Total	12,014,799	100.0%	726	100.0%

^a Source: California Department of Finance, Demographic Research Unit, E-5 County/State Population and Housing Estimates, 1/1/2004

Table 5. Computation of Weights to Adjust for the Number of Adults in Household and Respondent Age and Gender

Adults in household	Respondent:		Population ^a		Responses regarding red plastic PFCs					Responses regarding all other types of PFCs				
					Respondents		Differ-ence ^b	Weight	New weighted number	Respondents		Differ-ence ^b	Weight	New weighted number
	Age	Gender	Number	Percent	Number	Percent				Number	Percent			
One	18-24	Male	208,785	.85%	7	1.07%	.22%	.7949	5.56	6	1.23%	.39%	.6874	4.12
		Female	162,849	.66%	4	0.61%	-.05%	1.0850	4.34	3	0.62%	-.04%	1.0723	3.22
	25-44	Male	780,168	3.16%	14	2.13%	-1.03%	1.4851	20.79	12	2.46%	-.70%	1.2843	15.41
		Female	736,099	2.99%	26	3.96%	.97%	.7545	19.62	19	3.90%	.92%	.7653	14.54
	45-64	Male	509,208	2.07%	15	2.28%	.22%	.9047	13.57	18	3.70%	1.63%	.5588	10.06
		Female	577,323	2.34%	22	3.35%	1.01%	.6994	15.39	17	3.49%	1.15%	.6709	11.41
65 or older	Male	284,269	1.15%	12	1.83%	.67%	.6313	7.58	6	1.23%	.08%	.9359	5.62	
	Female	788,517	3.20%	27	4.11%	.91%	.7783	21.01	16	3.29%	.09%	.9735	15.58	
More than one	18-24	Male	1,564,394	6.35%	48	7.31%	.96%	.8686	41.69	45	9.24%	2.89%	.6867	30.90
		Female	1,425,454	5.78%	47	7.15%	1.37%	.8083	37.99	33	6.78%	.99%	.8533	28.16
	25-44	Male	4,713,079	19.12%	87	13.24%	-5.88%	1.4437	125.6	65	13.35%	-5.77%	1.4324	93.11
		Female	4,577,219	18.57%	88	13.39%	-5.17%	1.3862	121.99	69	14.17%	-4.40%	1.3104	90.42
	45-64	Male	2,862,359	11.61%	85	12.94%	1.33%	.8974	76.28	61	12.53%	.91%	.9270	56.55
		Female	2,944,178	11.94%	100	15.22%	3.28%	.7846	78.46	69	14.17%	2.23%	.8429	58.16
65 or older	Male	1,226,162	4.97%	39	5.94%	.96%	.8379	32.68	23	4.72%	-.25%	1.0531	24.22	
	Female	1,292,718	5.24%	36	5.48%	.24%	.9570	34.45	25	5.13%	-.11%	1.0215	25.54	
Subtotal	Subtotal	24,652,781	100.00%	657	100.00%			657.00	487	100.00%			487.02	
One	Declined to provide age	Male	N/A	N/A	1			1.0000	1.00	1			1.0000	1.00
More than one		Male	N/A	N/A	1			1.0000	1.00	1			1.0000	1.00
		Female	N/A	N/A	1			1.0000	1.00	1			1.0000	1.00
Total		N/A	N/A	660				660.00	490				490.02	

^a Source: U.S. Census 2000 Summary File 1 (SF 1) 100-Percent Data

^b Difference between percent distribution for respondents and population.

Table 6. Computation of Weights to Adjust for the Number of Households by Region [South Coast Air Quality District (AQD) and Remainder of State]

Region		Households ^c		Responses regarding red plastic PFCs					Responses regarding all other types of PFCs				
				Respondents		Differ-ence ^d	Weight	New weighted number	Respondents		Differ-ence ^d	Weight	New weighted number
		Number	Percent	Number	Percent				Number	Percent			
South Coast AQD	Los Angeles	3,184,446	26.50%	190	28.82%	2.31%	.9198	174.93	146	29.88%	3.38%	.8869	129.87
	Orange	968,063	8.06%	57	8.59%	.53%	.9382	53.18	50	10.28%	2.22%	.7841	39.48
	Riverside	571,955	4.76%	27	4.07%	-.69%	1.1701	31.42	19	3.90%	-.86%	1.2211	23.33
	San Bernardino	556,937	4.64%	33	4.97%	.34%	.9321	30.59	17	3.48%	-1.16%	1.3325	22.71
Remainder of state		6,733,398	56.04%	353	53.56%	-2.49%	1.0464	370.00	369.88	52.46%	-3.58%	1.0682	275
Total		12,014,799	100.00%	660	100.00%			660.00	490	100.00%			490.00

^c Source: California Department of Finance, Demographic Research Unit, E-5 County/State Population and Housing Estimates, 1/1/2004

^d Difference between percent distribution for respondents and population.

Table 7. Responses to Questions about Spill-Proof Red Plastic Portable Fuel Containers^a

		Percent	<i>Number of cases</i>
Does anyone in your household own a red plastic gas can with one of the new spill proof spouts?	Yes	32.8%	217
	No	67.2%	443
	Total	100.0%	660
How many of them does your household own?	One	60.0%	130
	Two	24.1%	52
	Three	8.5%	18
Mean per household = 1.73 Standard error of mean = .09	Four or more	7.4%	17
	Total	100.0%	217
Have you ever tried to fuel a car or truck with this container?	Yes	35.0%	76
	No	65.0%	141
	Total	100.0%	217
For those who have tried to fuel a car or truck this with container, were you able to fuel the car or truck?	Yes	88.3%	67
	No	11.7%	9
	Total	100.0%	76
Have you had any problems with how long it takes to fill a tank with this container? ^b	Yes	23.9%	46
	No	76.1%	146
	Total	100.0%	191
Have you had any problems with spillage? ^b	Yes	31.6%	60
	No	68.4%	131
	Total	100.0%	191

^a Responses summarized in this table are weighted on the number of adults in household, respondent age and gender, and region. The weighting process produces fractions of cases. Due to rounding, the number of cases may not sum exactly to the total.

^b These two questions were asked of all respondents who reported owning a new red plastic container, regardless of the type of vehicle or equipment for which it was used. Twenty-six respondents who had never used their container were removed from this distribution.

Table 8. Summary of Types of Comments about Spill-Proof Red Plastic Containers^c

		Percent	<i>Number of cases</i>
Are there any comments you would like to make about the new red plastic gas cans?	No problems with containers	12%	26
	Identified one or more problems with the containers	22%	47
	No comment	66%	144
Total		100%	217

^c This was an open-ended question. The summary presented here is based on a review of responses for those who reported ownership and use of the new containers. Responses summarized in this table are weighted on the number of adults in household, respondent age and gender, and region. The weighting process produces fractions of cases. Due to rounding, the number of cases may not sum exactly to the total.

Table 9. Detail on Comments about Spill-Proof Red Plastic Containers^a

		<i>Number of cases</i>
Positive comments	Safe	2
	Do not spill or leak	2
	Good but need to make sure you don't overfill them	1
	Lighter than the old containers	1
Problems identified	Difficult to use	17
	Spills too much	18
	The spout is a problem	4
	Too expensive	3
	Too slow	3
	Can't leave container in the sun	3
	Stops halfway and can't get remaining gas out	3
	Leaks too much	1

^a Responses summarized in this table are weighted on the number of adults in household, respondent age and gender, and region.

Table 10. Responses to Questions about Blue Plastic Portable Fuel Containers^b

		Percent	<i>Number of cases</i>
Does anyone in your household own a blue plastic gasoline or kerosene can?	Yes	3.5%	17
	No	96.5%	469
	Total	100.0%	486
How many of them does your household own?	One	67.6%	11
	Two	23.3%	4
	Three	9.1%	2
Mean per household = 1.41 Standard error of mean = .16	Total	100.0%	17
How many of them do you use gasoline in?	None	35.7%	6
	One	51.2%	9
	Two or more	13.1%	2
Mean per household = .77 Standard error of mean = .17	Total	100.0%	17

^b Responses summarized in this table are weighted on the number of adults in household, respondent age and gender, and region. The weighting process produces fractions of cases. Due to rounding, the number of cases may not sum exactly to the total. Only respondents reporting blue plastic container ownership are included in the follow-up questions about numbers of blue plastic containers and usage.

Table 11. Responses to Questions about Five-Gallon Plastic Containers^a

		Percent	Number of cases
Does anyone in your household own a large plastic 5-gallon jug like you might see used to fill a Jet Ski or dirt bike? ^b	Yes	8.0%	39
	No	92.0%	448
	Total	100.0%	487
How many of them does your household own? Mean per household = 1.86 Standard error of mean = .21	One	58.3%	23
	Two	21.9%	8
	Three	4.9%	2
	Four or more	14.9%	6
	Total	100.0%	39
How many of them do you use for gasoline or two-stroke fuel? Mean per household = 1.43 Standard error of mean = .14	None	3.9%	2
	One	65.7%	25
	Two	21.0%	8
	Three or more	9.4%	4
	Total	100.0%	39
Color of container(s) used for gas or two-stroke fuel	Red	78.1%	29
	Brown	2.9%	1
	Clear	4.1%	2
	Orange	4.1%	2
	White	2.2%	1
	Yellow	3.0%	1
	Other	3.6%	1
	More than one color	2.0%	1
	Total	100.0%	37

^a Responses summarized in this table are weighted on the number of adults in household, respondent age and gender, and region. The weighting process produces fractions of cases. Due to rounding, the number of cases may not sum exactly to the total. Only respondents reporting jerry or utility jug ownership are included in the follow-up questions about numbers of jerry/utility jugs and usage.

^b Additional text of question: "They might have a short hose installed in the cap for pouring and some people call them jerry or utility jugs."

Table 12. Responses to Questions about Metal Gas Cans^c

		Percent	Number of cases
Does anyone in your household own a metal gas can?	Yes	15.1%	73
	No	84.9%	411
	Total	100.0%	483
How many of them does your household own? Mean per household = 1.45 Standard error of mean = .11	One	72.1%	53
	Two	20.9%	15
	Three	2.1%	2
	Four or more	4.9%	4
	Total	100.0%	73

^c Responses summarized in this table are weighted on the number of adults in household, respondent age and gender, and region. The weighting process produces fractions of cases. Due to rounding, the number of cases may not sum exactly to the total. Only respondents reporting metal gas can ownership are included in the follow-up question about the numbers of metal gas cans.

Table 13. Percent Distribution of Portable Fuel Container Ownership by Region^a

Does anyone in your household own a:		Percent			Number of cases		
		South Coast AQD	Remainder of state	Statewide	South Coast AQD	Remainder of state	Statewide
Red plastic gas can with one of the new spill-proof spouts?	Yes	25.4%	38.6%	32.8%	74	143	217
	No	74.6%	61.4%	67.2%	217	227	444
	Total	100.0%	100.0%	100.0%	291	370	661
Blue plastic gasoline or kerosene can?	Yes	3.7%	3.3%	3.5%	8	9	17
	No	96.3%	96.7%	96.5%	206	263	469
	Total	100.0%	100.0%	100.0%	214	272	486
Large plastic 5-gallon jug like you might see used to fill a Jet Ski or dirt bike?	Yes	7.0%	8.8%	8.0%	15	24	39
	No	93.0%	91.2%	92.0%	199	249	448
	Total	100.0%	100.0%	100.0%	214	273	487
A metal gas can?	Yes	12.1%	17.5%	15.1%	26	47	73
	No	87.9%	82.5%	84.9%	188	222	411
	Total	100.0%	100.0%	100.0%	214	269	483

^a Responses summarized in this table are weighted on the number of adults in household, respondent age and gender, and region. The weighting process produces fractions of cases. Due to rounding, the number of cases may not sum exactly to the total.

Table 14. Estimated Number of Households Owning Portable Fuel Containers by Region

		South Coast AQD	Remainder of state	Statewide
Number of households ^b		5,281,401	6,733,398	12,014,799
Percent of households who own PFC	Spill-proof red plastic	25.43%	38.65%	32.83%
	Blue plastic	3.74%	3.31%	3.50%
	5-gallon plastic jug	7.01%	8.79%	8.01%
	Metal	12.15%	17.47%	15.11%
Estimated number of households who own PFC	Spill-proof red plastic	1,343,037	2,602,367	3,944,344
	Blue plastic	197,436	222,796	420,271
	5-gallon plastic jug	370,192	591,947	962,171
	Metal	641,666	1,176,467	1,815,901

^b Source: California Department of Finance, Demographic Research Unit, E-5 County/State Population and Housing Estimates, 1/1/2004

Table 15. Mean Number of Portable Fuel Containers per Household by Region and Type of Container^a

			All households			Only households who own that type of PFC		
			South Coast AQD	Remainder of state	State-wide	South Coast AQD	Remainder of state	State-wide
Mean	All PFCs	Spill-proof red plastic	.38	.72	.57	1.48	1.86	1.73
		Blue plastic	.05	.05	.05	1.40	1.43	1.41
		5-gallon plastic jug	.16	.14	.15	2.23	1.63	1.86
		Metal	.17	.26	.22	1.42	1.46	1.45
	PFCs used for gas or 2-stroke fuel	Spill-proof red plastic	.38	.72	.57	1.48	1.86	1.73
		Blue plastic	.04	.01	.03	1.18	.44	.77
		5-gallon plastic jug	.11	.12	.11	1.55	1.36	1.43
		Metal	.17	.26	.22	1.42	1.46	1.45
Standard error of mean	All PFCs	Spill-proof red plastic	.05	.07	.04	.10	.13	.09
		Blue plastic	.02	.02	.01	.19	.27	.16
		5-gallon plastic jug	.05	.03	.03	.45	.20	.21
		Metal	.04	.04	.03	.21	.14	.11
	PFCs used for gas or 2-stroke fuel	Spill-proof red plastic	.05	.07	.04	.10	.13	.09
		Blue plastic	.02	.01	.01	.23	.17	.17
		5-gallon plastic jug	.03	.03	.02	.20	.20	.14
		Metal	.04	.04	.03	.21	.14	.11
Number of cases	All	Spill-proof red plastic	290	370	660	74	143	217
		Blue plastic	213	272	486	8	9	17
		5-gallon plastic jug	214	273	487	15	24	39
		Metal	214	270	484	26	47	73
	PFCs used for gas or 2-stroke fuel	Spill-proof red plastic	290	370	660	74	143	217
		Blue plastic	213	272	486	8	9	17
		5-gallon plastic jug	214	273	487	15	24	39
		Metal	214	270	484	26	47	73

^a Respondents reporting ownership of blue plastic gasoline or kerosene cans or 5-gallon plastic jugs were asked how many containers were used for gasoline or two-stroke fuel. It is assumed that spill-proof red plastic and metal gas cans are used only for gasoline or two-stroke fuel. Responses summarized in this table are weighted on the number of adults in household, respondent age and gender, and region. The weighting process produces fractions of cases. Due to rounding, the number of cases may not sum exactly to the total.

Table 16. Confidence Intervals^b for the Mean Number of Portable Fuel Containers per Household by Region and Type of Container

		South Coast AQD	Remainder of State	Statewide
All PFCs	Spill-proof red plastic	.29 - .47	.59 - .85	.48 - .65
	Blue plastic	.01 - .09	.01 - .08	.02 - .07
	5-gallon plastic jug	.06 - .25	.08 - .21	.09 - .20
	Metal	.09 - .25	.18 - .34	.16 - .28
PFCs used for gas or 2-stroke fuel	Spill-proof red plastic	.29 - .47	.59 - .85	.48 - .65
	Blue plastic	.01 - .08	.00 - .03	.01 - .04
	5-gallon plastic jug	.05 - .17	.06 - .18	.07 - .15
	Metal	.09 - .25	.18 - .34	.16 - .28

^b 95% Confidence Level (alpha = .05). In order to make Table 15 easier to read, means and standard errors of the means were rounded to two decimal places. However, four decimal places were retained in computing the confidence intervals presented in Table 16.

Table 17. Estimated Number of Portable Fuel Containers by Region and Type of Container^a

		South Coast AQD	Remainder of State	Statewide
All PFCs	Spill-proof red plastic	1,988,407	4,837,025	6,825,433
	Blue plastic	263,631	325,964	589,595
	5-gallon plastic jug	822,207	960,703	1,782,909
	Metal	900,639	1,734,691	2,635,330
	All types ^c	3,974,884	7,858,383	11,833,267
PFCs used for gas or 2-stroke fuel ^b	Spill-proof red plastic	1,988,407	4,837,025	6,825,433
	Blue plastic	222,933	99,592	322,525
	5-gallon plastic jug	570,034	798,466	1,368,500
	Metal	900,639	1,734,691	2,635,330
	All types ^c	3,682,013	7,469,774	11,151,788

^a These estimates were computed by multiplying the number of households in each of the two regions of the state (see Table 14) by the weighted mean number of containers per household (for *all* households) in that region (see Table 15). Estimates for the two regions were added together to produce the statewide estimate.

^b Respondents reporting ownership of blue plastic gasoline or kerosene cans or 5-gallon plastic jugs were asked how many containers were used for gasoline or two-stroke fuel. It is assumed that spill-proof red plastic and metal gas cans are used only for gasoline or two-stroke fuel.

^c Totals may be off slightly due to rounding.

Table 18. Confidence Intervals^d for the Estimated Number of Portable Fuel Containers by Region and Type of Container

		South Coast AQD	Remainder of State	Statewide
All PFCs	Spill-proof red plastic	1,512,580 - 2,464,235	3,947,992 - 5,726,059	5,805,781 - 7,845,026
	Blue plastic	68,076 - 459,187	90,371 - 561,558	283,719 - 895,468
	5-gallon plastic jug	309,079 - 1,335,334	529,463 - 1,391,942	1,113,323 - 2,452,517
	Metal	485,707 - 1,315,571	1,187,917 - 2,281,465	1,945,670 - 3,319,059
PFCs used for gas or 2-stroke fuel ^e	Spill-proof red plastic	1,512,580 - 2,464,235	3,947,992 - 5,726,059	5,805,781 - 7,845,026
	Blue plastic	47,366 - 398,501	2,847 - 196,337	121,771 - 523,201
	5-gallon plastic jug	257,832 - 882,235	416,098 - 1,180,834	875,328 - 1,861,653
	Metal	485,707 - 1,315,571	1,187,917 - 2,281,465	1,945,670 - 3,319,059

^d 95% Confidence Level (alpha = .05). The confidence intervals for the weighted mean number of containers per household (see Table 16) were applied separately to each region and the state as a whole. As a result, the statewide confidence interval is smaller than the sum for the two regions. In order to make Tables 15 and 16 easier to read, means and standard errors of the means were rounded to two decimal places. However, four decimal places were retained in computing the confidence intervals presented in Table 18.

^e Respondents reporting ownership of blue plastic gasoline or kerosene cans or 5-gallon plastic jugs were asked how many containers were used for gasoline or two-stroke fuel. It is assumed that spill-proof red plastic and metal gas cans are used only for gasoline or two-stroke fuel.

PORTABLE FUEL CONTAINER HOUSEHOLD SURVEY 5/5/04¹

Hello, my name is _____. I'm calling from Sacramento State University on behalf of the California Air Resources Board. We are conducting a statewide survey on new gas cans. The information we collect will be used to help reduce air pollution and improve portable fuel containers. I would like to ask a few questions that shouldn't take more than one or two minutes. May I speak with the person who is most familiar with gas cans in your household?

- Q1. Does anyone in your household own a RED PLASTIC gas can with one of the new spill proof spouts?
- 1 Yes
 - 2 No (skip to Q5)
 - 3 Have a red plastic gas can, not sure if has the "new" spout
 - 4 Don't know whether they have a red plastic gas can (skip to Q5)

Note to interviewers: the new gas cans came out around 2001. If respondent is not sure if their gas can is one of these, probe for when they bought the can.

Q1A. How many of them does your household own? _____

- Q2. Have you ever tried to fuel a car or truck with this container?
- 1 Yes
 - 2 No (skip to Q3)

Q2A. Were you able to fuel the car or truck?

- 1 Yes
- 2 No

- Q3. Have you had any problems with how long it takes to fill a tank with this container?
- 1 Yes
 - 2 No
 - 3 Never used container

Note to interviewers: In this question (as well as the following question about spillage), we want to know if there's been a problem using the can to fuel any kind of tank or equipment, not just a car or truck.

- Q4. Have you had any problems with spillage?
- 1 Yes
 - 2 No
 - 3 Never used container

-
- Q5. ~~Does anyone in your household own a PLASTIC kerosene can?~~ Does anyone in your household own a BLUE PLASTIC gasoline or kerosene can? (This question reworded 4/27/04)
- 1 Yes
 - 2 No (skip to Q7)
 - 3 Don't know (skip to Q7)

Note to interviewers: Only code yes if the can is blue and plastic.

- Q6. ~~Do you use gasoline in this container?~~ (This question dropped 5/5/04)
- 1 Yes
 - 2 No

Q6a. How many of them does your household own? _____ (This question added 5/5/04)

Q6b. How many of them do you use gasoline in? _____ (This question added 5/5/04)

¹ A variable called "version" is included in the data file to indicate which version of the questionnaire a respondent received. The values are as follows: 1= pretest version with out "blue plastic" in Q5, 2=interim version used through 5/4/04, and 3=final version used starting 5/5/04.

Q7. Does anyone in your household own a large plastic 5-gallon jug like you might see used to fill a Jet Ski or dirt bike? They might have a short hose installed in the cap for pouring and some people call them jerry or utility jugs. "PLASTIC JERRY JUG," the type you might see used with jet skis or ATVs? (This question reworded 5/5/04)

- 1 Yes
- 2 No (skip to Q11)
- 3 Have a plastic fuel container, but not sure if it's a "Jerry Jug"
- 4 Don't know whether have a plastic fuel container (skip to Q11)

Q8. Do you use gasoline or 2-stroke fuel in the jug? (This question dropped 5/5/04)

- 1 Yes
- 2 No (skip to Q11)

Q8a. How many of them does your household own? _____ (This question added 5/5/04)

Q8b. How many of them do you use for gasoline or 2-stroke fuel? _____ (This question added 5/5/04)

Q9. Is/are the container(s) that you are using for gas or 2-stroke fuel red? Is your jug red? (This question reworded 5/5/04)

- 1 Yes (skip to Q11)
- 2 No

Note to interviewers: For this question we are only concerned with jugs that the respondent uses for gasoline or 2-stroke fuel.

Q10. What color is your jug?

- | | |
|---------|-----------------------------------|
| 1 Brown | 7 Orange |
| 2 Black | 8 Tan |
| 3 Blue | 9 White |
| 4 Clear | 10 Yellow |
| 5 Gray | 11 Other |
| 6 Green | 12 Multiple jugs, multiple colors |

Note to interviewers: For this question we are only concerned with the jugs that the respondent uses for gasoline or 2 stroke fuel.

Q11. Are there any comments you would like to make about the new RED PLASTIC gas cans?

Only respondents who said yes to Q1 will be asked this question.

Q11a. Does anyone in your household own a metal gas can? (This question added 5/5/04)

- 1 Yes
- 2 No (skip to Q12)
- 3 Don't know (skip to Q12)

Q11b. How many of them does your household own? _____ (This question added 5/5/04)

Now I just need to ask you a couple questions that will be used to make sure that the overall results of this study accurately represent the state of California as a whole.

Q12. Which of the following age groups includes you?

- 1 Under 18
- 2 18 to 24
- 3 25 to 44
- 4 45 to 64
- 5 65 and older
- 6 Prefer not to say

Q13. What is your gender?

- 1 Male
- 2 Female

Q14. Including yourself, how many people over the age of 18 are currently living in your household? _____

Q14a) How many are males? _____

Q14b) How many are females? _____

Note to interviewers: make sure these numbers include the respondent.

Include:

- Roommates or housemates
- People staying with respondent who have no other permanent place to stay
- People living with respondent most of the time while working, even if they have another place to live

Do not include:

- College students living away while attending college
- People in a correctional facility, nursing home or mental hospital
- Armed forces personnel living somewhere else
people who live or stay another place most of the time

That is all the questions I have. Thank you for your time. If you are interested, you can visit the Air Resources Board online at: www.arb.ca.gov/homepage.htm