Approved _	September	19,	1988	
		Date		

MINUTES OF THE House	COMMITTEE ON <u>Transportation</u>
The meeting was called to order by	Rex_Crowell a Chairperson
1:30 xm./p.m. on Febr	cuary 16 , 19_88in room 519-S of the Capitol
All members were present except:	Representatives Dillon, Adam, Russell, Sallee, Lacey and Justice
Committee staff present:	

Bruce Kinzie, Revisor of Statutes Hank Avila, Legislative Research Donna Mulligan, Committee Secretary

Conferees appearing before the committee:

Mr. Harley T. Duncan, Secretary of Revenue

Mr. Francis T. Bliss, Longton, Kansas

Mr. Ralph Hunt, National Solid Wastes Management Association

The meeting was called to order by Chairman Crowell, and the first order of business was a hearing on $\underline{HB-2821}$ concerning the special fuels tax including penalties for failure to file and extension of the statute of limitations.

Mr. Harley T. Duncan, Secretary of Revenue, testified in support of HB-2821. (See Attachment 1)

Mr. Duncan said $\underline{\text{HB-2821}}$ would amend K.S.A. 79-3480a of the Special Fuels Tax Act by increasing the penalty provision for delinquent special fuels taxes from 5% to 10% and by deleting the provision which authorizes the director of taxation discretion to waive interest assessed on delinquent special fuel taxes.

The hearing on $\underline{HB-2821}$ ended.

The next order of business was a hearing on $\underline{HB-2844}$ concerning a motor fuel tax exemption for refuse trucks. Mr. Francis T. Bliss, Longton, Kansas, testified in support of $\underline{HB-2844}$. (See Attachment 2)

Mr. Bliss said that in 1984, the Motor Fuel Tax Audit Unit, Sales and Excise Tax Bureau, Kansas Department of Revenue granted a 35 percent exemption.

Mr. Bliss said tests of fuel useage by refuse vehicles clearly show whichever method of testing is used, on routes of less than 70 miles, the average non-road use is well above the 35 percent. (See Attachment 3)

Mr. Ralph Hunt, National Solid Wastes Management Association, testified in favor of HB-2844. (See Attachment 4)

Mr. Hunt pointed out that refuse trucks use a considerable amount of fuel in relationship to the actual miles of road used.

Secretary Harley Duncan commented on $\underline{HB-2844}$ and said the issue is not exemption of fuel used off the road, but rather how it is claimed.

The hearing on $\underline{HB-2844}$ was concluded.

The meeting was adjourned at 2:00 p.m.

Donald Rex Crowell, Chairman

MEMORANDUM

TO: The Honorable Rex Crowell, Chairman

House Committee on Transportation

Harley T. Duncan, Secreatry FROM:

Department of Revenue

DATE: February 16, 1988

RE: House Bill No. 2821

Thank you for the opportunity to appear before you today on House Bill No. 2821.

House Bill No. 2821 would amend K.S.A. 79-3480a of the Special Fuels Tax Act by increasing the penalty provision for delinquent special fuels taxes from 5% to 10% and by deleting the provision which authorizes the director of taxation discretion to waive interest assessed on delinquent special fuel taxes.

In addition, this legislation would add language which would authorize the director of taxation to enter into an agreement in writing with a taxpayer allowing for an extension of time to the statute of limitations for assessing special fuel taxes. extension would also be available for extending the statute of limitations with respect to filing a claim for refund of special fuel taxes.

The Department supports House Bill No. 2821. With respect to the amendments of the penalty and interest provisions, these amendments will make the special fuel tax act consistent with the penalty and interest provisions contained in the sales and compensating tax acts. It is not only confusing to Department personnel but to taxpayers as well when there are varying rates of penalty for delinquent taxes and when some interest can be waived and other interest can not. This is an attempt to have some consistency between taxes administered by the Department.

As for the new provision for extending the statute of limitations, the current statute of limitations requires the Department to assess any special fuels tax within three years or the tax is lost. This new provision will provide the director of taxation with the authority to extend the statute of limitations when the taxpayer so agrees. will allow the Department to continue with an audit even though the statute of limitations is drawing to a close. The language is identical to that found in the Kansas Retailers' Sales Tax Act at K.S.A. 79-3609.

Once again, the Department supports House Bill No. 2821. In addition, the Department would recommend identical amendments to the motor-vehicle fuel tax act, the LP-gas tax act and the interstate motor fuel user tax act. This will allow all of the motor fuel taxes to be treated in the same manner.

Thank you for the opportunity to appear before you on House Bill No. 2821. I would be glad to answer any questions.

A++. 1

Motor-Vehicle Fuels

K.S.A. 79-3410 starting with second paragraph:

The director may waive the requirement for monthly reports from licensed manufacturers, who are also licensed distributors, when all taxes accrued under either or both licenses or which might accrue are paid under the distributor license. All taxes imposed under the provisions of this act not paid as aforesaid on or before the twenty-fifth day of the month succeeding the calendar month in which the motor-vehicle fuels were received by the distributor, manufacturer or importer shall be deemed delinquent and shall bear interest at the rate per month or fraction thereof, prescribed by K.S.A. 79-2968(a) subsection (a) of K.S.A. 79-2968, and amendments thereto, from such due date until paid, and in addition thereto there is hereby imposed upon all amounts of such taxes remaining due and unpaid after such due date a penalty in the amount of five-percent 10% thereof, and shall be by the director added to and collected as a part of said taxes. If the distributor, manufacturer, or importer furnishes evidence to the director of taxation that the delinquency was due to causes beyond his such person's reasonable control, and if in the opinion of the director the delinquency was not the result of willful negligence of the distributor, manufacturer, or importer, the penalty or interest or both may be waived or reduced by the director.

K.S.A. 79-3415

Each distributor, manufacturer or importer and every dealer, shall maintain and keep, for a period of two three years, a full record or records of all motor-vehicle fuels received, used or sold and delivered within this state by such distributor, manufacturer or importer, together with invoices and bills of lading thereof, and such other pertinent papers as may be required by the director.

Except in the case of a fraudulent return or of failure to file a return, every deficiency shall be assessed under this act within three years after the last day of the next succeeding calendar month following the monthly period for which the amount is proposed to be determined or within three years after the return is filed, whichever period expires the later.

Before the expiration of time prescribed in this section for the assessment of additional tax, the director is authorized to enter into an agreement in writing with the taxpayer consenting to the extension of the periods of limitations for the assessment of tax, at any time prior to the expiration of the period of limitations. The period so agreed upon may be extended by subsequent agreements in writing made before the expiration of the period previously agreed upon.

L.P.-Gas

K.S.A. 79-3495 starting with second paragraph

Any tax imposed under the provisions of this act not paid as aforesaid on or before the twenty-fifth day of the month succeeding the calendar month in which the LP-gas was used shall be deemed delinquent and shall bear interest at the rate per month or fraction thereof, prescribed by K.S.A. 79-2968(a) subsection (a) of K.S.A. 79-2968, and amendments thereto, from such due date until paid, and in addition thereto there is hereby imposed upon all amounts of such taxes remaining due and unpaid after such due date a penalty in the amount of five percent 10% thereof, and shall be by the director added to and collected as a part of said taxes. If the LP-gas user or LP-gas dealer furnishes evidence to the director of taxation that

the delinquency was due to causes beyond his such person's reasonable control, and if in the opinion of the director the delinquency was not the result of willful negligence of the LP-gas user or LP-gas dealer, the penalty or interest or both may be waived or reduced by the director.

K.S.A. 79-3499 - add the following two paragraphs at the end of the present 79-3499

Except in the case of a fraudulent return or of failure to file a return, every deficiency shall be assessed under this act within three years after the last day of the next succeeding calendar month following the monthly period for which the amount is proposed to be determined or within three years after the return is filed, whichever period expires the later.

Before the expiration of time prescribed in this section for the assessment of additional tax or the filing of a claim for a refund, the director is authorized to enter into an agreement in writing with the taxpayer consenting to the extension of the periods of limitations for the assessment of tax or the filing of a claim for refund, at any time prior to the expiration of the period of limitations. The period so agreed upon may be extended by subsequent agreements in writing made before the expiration of the period previously agreed upon.

Interstate Motor Fuel

K.S.A. 79-34,111(c)

All taxes imposed under this act which are not paid as provided in this section shall be delinquent and shall bear interest at the rate per month or fraction thereof prescribed by K.S.A. 79-2968(a) subsection (a) of K.S.A. 79-2968, and amendments thereto, from the date due until paid, and in addition thereto there is hereby imposed upon all amounts of such taxes remaining due and unpaid after the due date a penalty in the amount of five percent 10% thereof, and such interest and penalty shall be added to and collected as a part of such taxes.

K.S.A. 79-34,111(d)

If any interstate motor fuel user establishes by evidence satisfactory to the director that the failure to file a report and pay the tax, within the time prescribed, was due to reasonable causes beyond such person's reasonable control, and was not intentional or willful if in the opinion of the director the delinquency was not the result of willful negligence of the interstate motor fuel user, the director may waive the penalty and interest may be waived or reduced by the director provided for by this section.

K.S.A. 79-34,113 add subsection (d) and (e)

- (d) Except in the case of a fraudulent return or of failure to file a return, every deficiency shall be assessed under this act within three years after the last day of the next succeeding calendar month following the monthly period for which the amount is proposed to be determined or within three years after the return is filed, whichever period expires the later.
- (e) Before the expiration of time prescribed in this section for the assessment of additional tax or the filing of a claim for a refund, the

director is authorized to enter into an agreement in writing with the taxpayer consenting to the extension of the periods of limitations for the assessment of tax or the filing of a claim for refund, at any time prior to the expiration of the period of limitations. The period so agreed upon may be extended by subsequent agreements in writing made before the expiration of the period previously agreed upon.

February 16, 1988

Mr. Chairman and Committee Members:

I want to thank you for allowing me the opportunity to appear before you today. I am F. E. Bliss of Longton, KS. I am a private hauler of Solid Waste and have the contracts to haul all of Elk and Greenwood counties. I wish to speak to HB 2844 which exempts waste haulers from 35 % of motor fuels tax.

In 1984, the Motor Fuel Tax Audit Unit, Sales and Excise Tax Bureau, Kansas Department of Revenue granted a 35% fuel tax exemption on refuse trucks. Late last fall the same department began disallowing the 35% exemption.

The packet with the results of tests of Fuel Usage by Refuse Vehicles has a lot of information. The two charts do a good job of summarizing the results. The charts clearly show whichever method of testing is used, on routes of less than 70 miles the average non-road use is well above the 35%.

We encourage you to vote in favor of HB 2844. Also, we encourage you to take whatever steps necessary to in insure that small operators can participate.

Att. 2



National Solid Wastes Management Association

FINAL RESULTS OF THE

NATIONAL SOLID WASTES MANAGEMENT ASSOCIATION

TESTS OF

FUEL USAGE BY REFUSE VEHICLES

AUGUST 1, 1984





National Solid Wastes Management Association

FUEL TAX EXEMPTION FOR THE REFUSE INDUSTRY

State and federal fuel taxes are levied as user charges apportioning the cost of building and maintaining the nation's highways among those who use them. Over the past decade, there have been enormous increases in fuel taxed in every state and the federal diesel fuel tax has increased 275 percent from 4ϕ a gallon to 15ϕ a gallon specifically because Congress wanted to assess a greater share of the cost of maintaining our highway system on the trucking industry.

As an industry, we recognize both the value of well-maintained highways and our obligation to pay an equitable portion of the cost of their upkeep. We support prime reliance on fuel taxes on fuel consumed to power vehicles on public highways as the most equitable way to raise the monies necessary to build andmaintain our highway system. Heavier vehicles and those logging more miles necessarily consume greater amounts of fuel and thus pay an appropriately larger share of the cost.

The Special Case for Refuse Vehicles

The waste industry consumes a considerable amount of fuel for purposes other than for propelling its vehicles on public highways. Fuel is used to power hydraulic functions associated with refuse collection and to run the truck while on the private property of commercial or industrial customers and at the disposal facility. Fuel is consumed during the operation of power take-off (PTO) units which activate all internal refuse vehicle hydraulic systems except brake systems. These systems raise, empty, and place containers, raise the body cover, compact the refuse, power the cart dumpers, power the container winch when installed, open the back of the truck prior to ejection, and eject the compacted refuse at the disposal facility. The PTO is driven by the truck's engine, consuming fuel that would otherwise be used to propel the truck on the highways. For some types of vehicles, more than half of the fuel is used to power the PTO. Additionally, as much as 90% of some refuse routes are run on private property, such as airports, industrial parks and the like. Refuse vehicles also expend considerable fuel off-highway in landfills or at resource recovery facilities. Refuse companies pay tax on fuel used to power the PTO and operate off-highway even though these uses are totally unrelated to fuel consumption to power the vehicle on public highways which is the purpose of the fuel tax in the first place.

Fuel Tax Rebates

Many states have recognized the principle of exempting from fuel taxes those portions of fuel used for non-road purposes. Generally, farm and construction equipment enjoy total tax exemption because they do not use public highways at all; refuse and redimix concrete trucks have been accorded special consideration in many states due to the fact that a significant percentage of the fuel used in these vehicles is used for non-road purposes. Thirteen states have specifically granted exemptions for refuse vehicles ranging from 41% in Indiana down to 23% in California (the California program was put in place years ago and no longer accurately reflects amounts of fuel used for off-road purposes by modern refuse vehicles). In just the past several years, Florida, Kansas, and Virginia have enacted 35% rebates, North Carolina 33-1/3%, and Texas 30%. Earlier this year, Indiana established a 41% rebate.

Refuse Vehicles in Use

Current estimates indicated that rear-loading packer vehicles constitute about 55% of the industry; side loading vehicles about 15%; front loading about 15%; roll-off vehicles about 10%; and satellite vehicles including transfer trailers, etc., make up the remaining 5%. Thus, compactor trucks constitute about 85% of the fleet.

Metering

Constant fuel metering of refuse vehicles, except under test conditions, is not a practical method for determining off-road use. The meters are expensive and, given the rough terrain of landfills in particular, damage has been the rule. Use of meters on a permanent basis is not cost-effective due to labor necessary to record the data and difficulties in maintaining the meters under rugged operating conditions. Notwithstanding these problems, the National Solid Wastes Management Association has conducted a series of test runs using fuel meters. These tests were used to verify the test protocol described below. The test proved two things: first, the meters are expensive to operate, record, or maintain and, second, refuse vehicles utilize an average of 35-40% of the fuel they consume to power the PTO.

NSWMA Protocol and Test Results

Fifteen years ago, fuel taxes were a small proportion of what they are today. With the explosion of gasoline prices in the early-mid 70s and the consequent fuel conservation measures, the highway trust funds operated by federal and state governments began to feel the pinch. Congress and state legislators responded by enacting dramatic increases in fuel taxes. Unfortunately for the refuse industry, operational imperatives have prevented any substantial fuel economies. Because the trucks generally operate in stop-and-go local traffic and use such a substantial portion of the fuel to power the hydraulic

systems to load, compact, and eject their loads of solid waste, refuse vehicles average only about 3 miles per gallon fuel economy.

Lacking data to substantiate that portion of fuel used for off-road purposes, NSWMA, in 1980, developed a test protocol to determine non-road fuel usage and sponsored a limited number of fuel meter tests. The protocol was used for 37 test runs and fuel meters were used for 22 operating days. The test data was received from private hauling companies in various locations throughout the United States. The tests are divided into two separate groups. The first group is a series of 22 tests conducted with a HALDA on-board dual fuel/mileage recorder. This mileage recorder was set up to record fuel usage when the PTO was energized and also record total fuel usage. The second group of 37 tests used the NSWMA-developed protocol for determining total non-road usage by compactor vehicles.

Conclusion

Chart I clearly demonstrates that the normal refuse operation will result in about 50% of the fuel being used for non-road use for compactor trucks on a single load basis. Each truck will make two-three single runs per day of about 35-45 miles each. This will vary widely according to the local disposal situation.

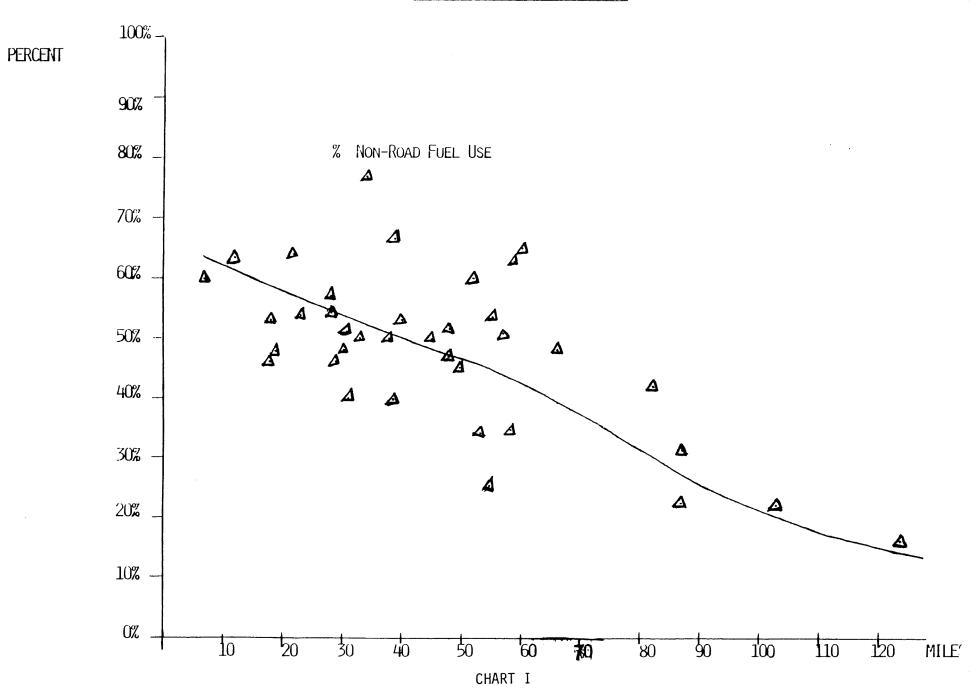
Curve I clearly demonstrates that metered PTO fuel uses in the vicinity of 35-40%.

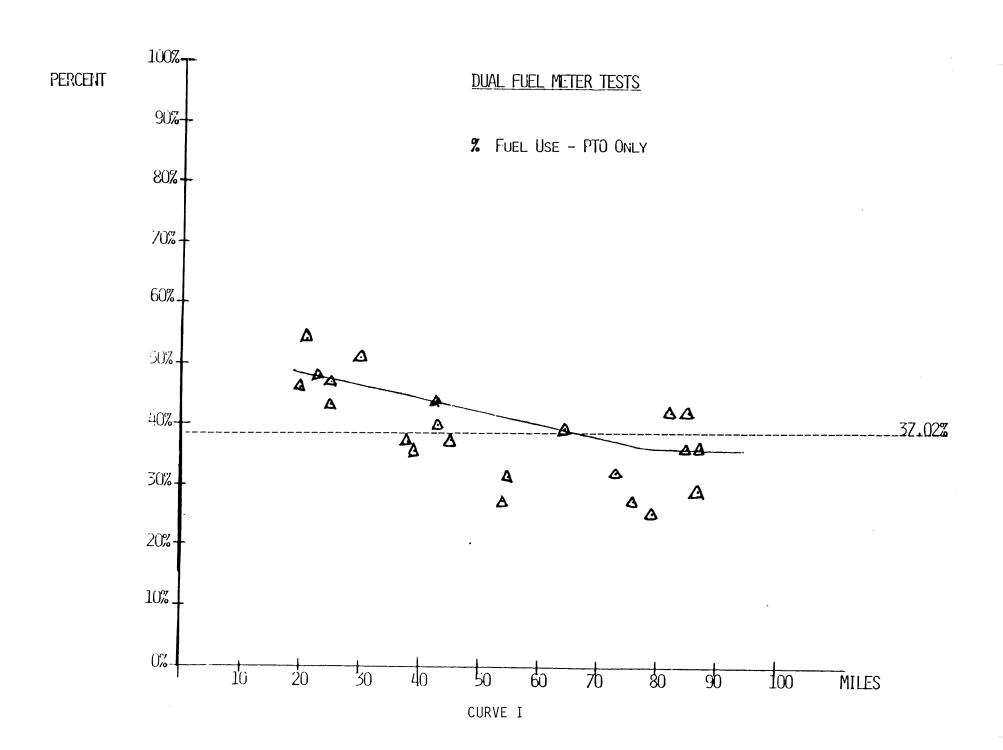
This documentation easily justifies a 35% fuel usage exemption on two-, three-, and four-axle single unit refuse trucks. The 35% represents the lower end of the refuse truck use spectrum. In fact, the industry is entitled to far more since the 35% figure represents only PTO usage and not the substantial amounts of additional fuel used while the vehicle is operating on private property.

Recommendation

The refuse industry should be granted a 35% fuel tax exemption for all single unit refuse trucks. Vehicle ownership be required to maintain documentation detailing the amounts of fuel issued to each vehicle.

NSWMA PROTOCOL TEST RESULTS





TEST PROCEDURE TO DETERMINE PTO AND OFF-ROAD FUEL USE IN REFUSE TRUCKS

The following test procedures are designed to provide information to calculate "PTO and off the road fuel use" by refuse trucks. The information will be used to show state officials that road tax deductions are necessary for refuse trucks because much of their fuel usage is "non-road" use. Evaluated test results will be maintained in NSWMA offices. The evaluated information will be provided to members as required for use in the various state programs. We have shown in several states that the controls built into the test such as accurately taking measurements, one half load on the check run, mileage, etc., are sufficiently rigorous to convince officials that the test represents actual conditions.

Conceptually, the fuel usage is determined by making two controlled runs over essentially the same route during the same time of day, recording the fuel used and mileage travelled for each run. The first run is a packing run in which the refuse is collected in the normal fashion. The results characterize PTO use, off road fuel use and all of the non-road usages of fuel. The second run is designed to simulate fuel use of an average refuse truck driven over the same route in the same traffic conditions, but with no packing (PTO usage) or travel through private alleys and other private property. The results characterize road use by the truck. The difference between the two runs is the fuel used which should be non-taxable.

The truck route selected should be representative of conditions in your business. Thus, if curbside pick-up is normal, then such a route should be selected. Where possible, we also need the weight of the truck emptied, half full, and full for background use. The following data elements and steps are required in conducting the test program:

Packing Run

- Select the route that will result in a full load being delivered to the landfill, transfer station, or incinerator.
- 2. Brief the crew on the purpose of the test.
- 3. Top off the fuel tank. Read the mileage. (Please fill in odometer readings).
- 4. Direct the truck to proceed along its normal collection route, pick up and dump the load, and return directly to the base area.

5. Refill the fuel tank. Read the amount of fuel used and read the mileage. This represents the fuel used and mileage of an actual packing operation.

Control Run

6. Using the same truck, collect sufficient refuse to fill the body one half full. Return to the same fuel station that you did for the packing run and top off the fuel tank. Read the mileage.

(NOTE: Filling the truck half full for the control run represents an average load that the truck experiences over the entire route. This is important to determine the average fuel used over the route when not packing).

- 7. Direct the truck to retrace the original route, (the packing run), keeping to the main roads wherever possible. Do not retrace pick-ups into dead-end alleys and alleys in general unless a significant detour could thereby be avoided. Running parallel to an alley system on the main road is acceptable. Proceed from the start, through the route, to the unloading point and return to the base area without actually unloading. Stay out of the landfill, etc., in this case.
- 8. Top off the fuel tank. Read the amount of fuel used and read the mileage. This represents the fuel used and the distance travelled on the check run.
- 9. The percent of off-road fuel used will be calculated as: fuel used in steps 1-5 MINUS FUEL USED IN STEPS 7-8 DIVIDED BY FUEL USED IN STEPS 1-5.

INFORMATION REQUESTED

Trucks fill tanks atlandfill, etc. where the truck is	(home base, at
randilit, etc. where the truck is	rueled).
Truck Description (check one):	
Rear Loader	Gas or Diesel
Side Loader	Gas or Diesel
Front Loader	Gas or Diesel
Truck Manufacturer and Model:	
	Year
Body Manufacturer and Model:	
Cubic Yard Capacity:	

	or Power System, Type and Location:
Engine T	ype and Model:
Transmis	sion Type and Model:
	Packing Run:
Fuel Use (packing	d (gallons to nearest tenth) Steps 1-5,
Odometer	Readings: StartEnd
	Travelled: (Steps 1-5)
	Control Run:
Fuel Use control	d (gallons to nearest tenth) steps 7-8,
Odometer	Reading: StartEnd
	Travelled (Steps 7-8)
ercent (off Road Useage: (Step 9) (Fuel used Packing Run)-ed Control Run)=
Whe	re possible: Weight of truck empty

State: Florida

City: It. Landerdale

TYPE OF VEHICLE: Diesel Side Lander

ROUTE: Residential

PACKING TEST RUN: 33.4 miles using /3./ gallons fuel

COMPARISON TEST RUN: 35.9 miles using 6.4 gallors fuel

NON-ROAD FUEL USAGE: 50.0 %

State: Florida

City: It. Landerdale

TYPE OF VEHICLE: Diesel Side Loaden

POUTE: Residential

PACKING TEST RUN: 28.8 miles using 16.2 gallons fuel

COMPARISON TEST RUN: 30.2 miles using 8.7 gallons fuel

NON-ROAD FUEL USAGE: 46.3 %

State: Indiana

City: Kokomo

TYPE OF VEHICLE: Sas Side Roader

ROUTE: Residential

PACKING TEST RUN: 57.9 miles using 30. gallons fuel

COMPARISON TEST RUN: 54.7 miles using 11.0 gallons fuel

NON-ROAD FUEL USAGE: 63.3 %

State: Indiana		
City: Sellershu	rg	
TYPE OF VEHICLE:	Rear	Coader
ROUTE: Resider	itial	
PACKING TEST RUN: 17.4	/ miles using / =	2 gallons fuel
	18.1 miles using	
MON-ROAD FUEL USAGE:		Jan tons Tuer
	,	
State: 0 -		
State: Indiana		
City: Sellershu	rg.	
TYPE OF VEHICLE:	•	assau
PCUTE: Comm		
PACKING TEST PUN: 6	8 miles using 18.	$oldsymbol{2}$ gallons fuel
COMPARISON TEST RUN:	49 miles using	7.9 gallons fuel
NON-ROAD FUEL USAGE:	<u>57</u> %	•
State:		
City:		•
TYPE OF VEHICLE:		,
ROUTE:		
`		
PACKING TEST RUN:		gallons fuel
COMPARISON TEST RUN:	miles using	gallons fuel
NON-ROAD FUEL USAGE:	%	

City: Kakomo TYPE OF VEHICLE: Diesel Front Loaden ROUTE: Commercial PACKING TEST RUM: 28.0 miles using 12.0 gallons fuel CCM'PARISON TEST RUN: 18.0 miles using 5.4 gallons fuel State: <u>City</u>: TYPE OF VEHICLE: Diesel Front Loaden PACKING TEST RUN: 48 miles using 17.7 gallons fuel COMPARISON TEST RUN: 36 miles using \$.5 gallons fuel NON-ROAD FUEL USAGE: 51.9 City: TYPE OF VEHICLE: 2) usel Pears ROUTE: Residential PACKING TEST RUN: 38.5 miles using /O gallons fuel COMPARISON TEST RUN: 35.8 miles using 6 gallons fuel

NON-ROAD FUEL USAGE: _______%

Massachusetts City: Longmesdaw

TYPE OF VEHICLE: Diesel Rearboader POUTE: Residential PACKING TEST RUM: 28.0 miles using 7.0 gallons fuel COMPARISON TEST RUN: 28.0 miles using 3.0 gallons fuel NON-ROAD FUEL USAGE: 570 % State: Michigan City: ann arbor TYPE OF VEHICLE: Diesel Reardood PACKING TEST RUN: 33.9 miles using 17.0 gallons fuel COMPARISON TEST RUN: 33./ miles using 4.0 gallons fuel NON-ROAD FUEL USAGE: 77.0 % <u>City</u>: TYPE OF VEHICLE: Diesel Siderader ROUTE: Residential PACKING TEST RUN: 57.2 miles using 19.0 gallons fuel COMPARISON TEST RUN: 50.5 miles using 9.0 gallons fuel

City: and arbor
TYPE OF VEHICLE: Diesel FrontSoaden
ROUTE: Commercial
PACKING TEST RUN: 22.9 miles using 9.4 gallons fuel
COMPARISON TEST RUN: 16.3 miles using 44.3 gallons fuel
NON-ROAD FUEL USAGE: 54 %
State: Michigan
City:
TYPE OF VEHICLE: Diesel Front Loaden
POUTE: Commercial
PACKING TEST RUN: 19 miles using 6.6 galions fuel
COMPARISON TEST RUN: /7 miles using 3.4 gallons fuel
NON-ROAD FUEL USAGE: 48
State: The same and the same an
City:
ROUTE: Company of al
PACKING TEST RUN: / S miles using 8.2 gallons fuel
COMPARISON TEST RUN: / / miles using 4. 4 gallons fuel
NON-ROAD FUEL USAGE:

State:

City: Horissant
TYPE OF VEHICLE: Bas Reardoader
ROUTE: Residential
PACKING TEST RUN: 30 miles using 15.5 gallons fuel
COMPARISON TEST RUN: 27 miles using $8/$ gallons fue
NON-ROAD FUEL USAGE: 45 %
State: Missauri
State: Missouri City: Florissant
TYPE OF VEHICLE: Diesel Front Fooden
<u> </u>
POUTE: Commercial
PACKING TEST RUN: 59 miles using 20.0gallons fuel
COMPARISON TEST RUN: 52 miles using 7.0 gallons fue
NON-ROAD FUEL USAGE:65 %
State: Missouri
City: Florissant
TYPE OF VEHICLE: Sas Reardoaden
ROUTE: Residential
route. Vesidential

PACKING TEST RUN: 31 miles using 17.9 gallons fuel

NON-ROAD FUEL USAGE: 40 %

COMPARISON TEST RUN: 30 miles using /a 7 gallons fuel

State City	<u>e</u> : :	7	Jen Ven	رچ ر مدیر	ork	,					·
	TYPE	OF	VEHI	CLE:	2).	<u>esi</u>	ر	R	art	oac	Le
					den						
	PACK	NG	TEST	RUN:	7.2) mi	les	using	27.0	gallo	ons

72 miles using 27.0 gallons fuel

COMPARISON TEST RUN: 63 miles using 18.2 gallons fuel NON-ROAD FUEL USAGE: _31.6 %

TYPE OF VEHICLE: Diesel Rear Loads <u>City</u>:

POUTE:

PACKING TEST RUN: 21.4 miles using 11.0 gallons fuel

COMPARISON TEST RUN: 20.7 miles using 4.0 gallons fuel

NON-ROAD FUEL USAGE: 636 %

City:

TYPE OF VEHICLE: Diesel De

PACKING TEST RUN: 21.5 miles using/4.0 gallons fuel

COMPARISON TEST RUN: 21.1 miles using 3.5 gallons fuel

NON-ROAD FUEL USAGE: \$2.1%

PACKING TEST RUN: 50	o miles using	
TYPE OF VEHICLE: ROUTE: PACKING TEST RUN: 106	miles using 32	gallons fuel
<pre>State: City: TYPE OF VEHICLE:</pre>		
ROUTE:		
PACKING TEST RUN:	miles using	gallons fuel
COMPARISON TEST RUN:	miles using	gallons fuel
NON-ROAD FUEL USAGE:	%	

1

State: New Zor	k	
City: Hapewel	e Set	
TYPE OF VEHICLE:	Diesel Quar	Stoader
ROUTE: Reside	ntial	
PACKING TEST RUN:	3/ miles using 28	gallons fuel
COMPARISON TEST RUN:	27 miles using	/2 gallons fuel
NON-ROAD FUEL USAGE:	57 %	
,		
	,	
State:		
City:		
TYPE OF VEHICLE:		
POUTE:		
PACKING TEST PUN:	miles using	gallons fuel
COMPARISON TEST RUN:	miles using	
NON-ROAD FUEL USAGE:	w	garrons ruer
MON-MOND TOLL USAGE.	•	
C+2+2.		
State:		
City:		
TYPE OF VEHICLE:		
ROUTE:		
PACKING TEST RUN:	miles using	gallons fuel
COMPARISON TEST RUN:	miles using	gallons fuel
NON-ROAD FUEL USAGE:	%	

State: Tew Zork
City: Buffalo
TYPE OF VEHICLE: Diesel Front Loaden
ROUTE: Commercial
PACKING TEST RUN: 57 miles using 20 gallons fuel
COMPARISON TEST RUN: 56 miles using 13 gallons fuel
NON-ROAD FUEL USAGE:
State: Dew Zock
City: East Rochester
TYPE OF VEHICLE: Diesel Reardooder
POUTE: Residential
PACKING TEST PUN: 52 miles using 15 gallons fuel
, and the second
NON-ROAD FUEL USAGE:60%
State: New york
City: East Pachester
TYPE OF VEHICLE: Diesel Frontscaden
ROUTE: Commercial
PACKING TEST RUN: 39 miles using 75 gallons fuel
COMPARISON TEST RUN: 36 miles using 5 gallons fuel
NON-ROAD FUEL USAGE: 67 %

NON-ROAD FUEL USAGE: 22

TYPE OF VEHICLE: Desel FrontSoadu ROUTE: Commercial PACKING TEST RUN: 45 miles using 1.4 gallons fuel COMPARISON TEST RUN: 40 miles using 6.3 gallons fuel NOM-ROAD FUEL USAGE: 45 % State: Type of VEHICLE: Desel FrontSoadu PACKING TEST RUN: 55 miles using 12 gallons fuel COMPAPISON TEST RUN: 50 miles using 9 gallons fuel NON-ROAD FUEL USAGE: 25 % State: Type of VEHICLE: Desel FrontSoadu TYPE OF VEHICLE: Desel FrontSoadu ROUTE: Commercial PACKING TEST RUN: 55 miles using 12 gallons fuel City: State: Type of VEHICLE: Desel FrontSoadu PACKING TEST RUN: 55 miles using 12 gallons fuel COMPARISON TEST RUN: 37 miles using 8 gallons fuel	State: Tew Zork
ROUTE: Comparison Test Run: 49 miles using 11.4 gallons fuel COMPARISON TEST RUN: 40 miles using 6.3 gallons fuel NOM-ROAD FUEL USAGE: 45 % State: Type Of Vehicle: Deal Front Code PACKING TEST RUN: 55 miles using 12 gallons fuel COMPAPISON TEST RUN: 50 miles using 9 gallons fuel NOM-ROAD FUEL USAGE: 25 % State: Type Of Vehicle: Deal Front Code ROUTE: Comparison Test Run: 30 miles using 9 gallons fuel ROUTE: Comparison Test Run: 37 miles using 8 gallons fuel COMPARISON TEST RUN: 37 miles using 8 gallons fuel	
ROUTE: Comparison Test Run: 49 miles using 11.4 gallons fuel COMPARISON TEST RUN: 40 miles using 6.3 gallons fuel NOM-ROAD FUEL USAGE: 45 % State: Type Of Vehicle: Deal Front Code PACKING TEST RUN: 55 miles using 12 gallons fuel COMPAPISON TEST RUN: 50 miles using 9 gallons fuel NOM-ROAD FUEL USAGE: 25 % State: Type Of Vehicle: Deal Front Code ROUTE: Comparison Test Run: 30 miles using 9 gallons fuel ROUTE: Comparison Test Run: 37 miles using 8 gallons fuel COMPARISON TEST RUN: 37 miles using 8 gallons fuel	TYPE OF VEHICLE: Diesel Frontalogder
COMPARISON TEST RUN: 40 miles using 6.3 gallons fuel NOM-ROAD FUEL USAGE: 45 State: City: TYPE OF VEHICLE: Desil Incloded POUTE: Commercial PACKING TEST RUN: 55 miles using 12 gallons fuel COMPAPISON TEST RUN: 50 miles using 9 gallons fuel NON-ROAD FUEL USAGE: 25 State: Type OF VEHICLE: Desil Incloded ROUTE: Commercial PACKING TEST RUN: 55 miles using 12 gallons fuel COMPARISON TEST RUN: 55 miles using 12 gallons fuel COMPARISON TEST RUN: 55 miles using 8 gallons fuel	
COMPARISON TEST RUN: 40 miles using 6.3 gallons fuel NOM-ROAD FUEL USAGE: 45 State: City: TYPE OF VEHICLE: Desil Incloded POUTE: Commercial PACKING TEST RUN: 55 miles using 12 gallons fuel COMPAPISON TEST RUN: 50 miles using 9 gallons fuel NON-ROAD FUEL USAGE: 25 State: Type OF VEHICLE: Desil Incloded ROUTE: Commercial PACKING TEST RUN: 55 miles using 12 gallons fuel COMPARISON TEST RUN: 55 miles using 12 gallons fuel COMPARISON TEST RUN: 55 miles using 8 gallons fuel	PACKING TEST RUN: 45 miles using 11.4 gallons fuel
State: Service Some State: State: Description of the State: State: Description of the State State: State: Some state of the State State: Some state State: State: State: Some state State:	·
State: City: Kennore TYPE OF VEHICLE: Desel Front Roader POUTE: Commercial PACKING TEST RUN: 55 miles using /2 gallons fuel COMPAPISON TEST RUN: 50 miles using 9 gallons fuel NON-ROAD FUEL USAGE: 25 % State: Type OF VEHICLE: Desel Front Roader ROUTE: Commercial PACKING TEST RUN: 55 miles using /2 gallons fuel COMPARISON TEST RUN: 37 miles using 8 gallons fuel	
TYPE OF VEHICLE: Desch Front Soder POUTE: Commercial PACKING TEST RUN: 55 miles using /2 gallons fuel COMPARISON TEST RUN: 50 miles using 9 gallons fuel NON-ROAD FUEL USAGE: 25 % State: Type OF VEHICLE: Desch Front Soder ROUTE: Commercial PACKING TEST RUN: 55 miles using /2 gallons fuel COMPARISON TEST RUN: 37 miles using 8 gallons fuel	
TYPE OF VEHICLE: Desch Front Soder POUTE: Commercial PACKING TEST RUN: 55 miles using /2 gallons fuel COMPARISON TEST RUN: 50 miles using 9 gallons fuel NON-ROAD FUEL USAGE: 25 % State: Type OF VEHICLE: Desch Front Soder ROUTE: Commercial PACKING TEST RUN: 55 miles using /2 gallons fuel COMPARISON TEST RUN: 37 miles using 8 gallons fuel	
TYPE OF VEHICLE: Desch Front Soder POUTE: Commercial PACKING TEST RUN: 55 miles using /2 gallons fuel COMPARISON TEST RUN: 50 miles using 9 gallons fuel NON-ROAD FUEL USAGE: 25 % State: Type OF VEHICLE: Desch Front Soder ROUTE: Commercial PACKING TEST RUN: 55 miles using /2 gallons fuel COMPARISON TEST RUN: 37 miles using 8 gallons fuel	States / Z.a. A
TYPE OF VEHICLE: Desch Front Soder POUTE: Commercial PACKING TEST RUN: 55 miles using /2 gallons fuel COMPARISON TEST RUN: 50 miles using 9 gallons fuel NON-ROAD FUEL USAGE: 25 % State: Type of Vehicle: Desch Front Soder ROUTE: Commercial PACKING TEST RUN: 55 miles using /2 gallons fuel COMPARISON TEST RUN: 37 miles using 8 gallons fuel	
PACKING TEST RUN: 55 miles using /2 gallons fuel COMPAPISON TEST RUN: 50 miles using 9 gallons fuel NON-ROAD FUEL USAGE: 25 % State: City: TYPE OF VEHICLE: Desel Journal ROUTE: Commercial PACKING TEST RUN: 55 miles using /2 gallons fuel COMPARISON TEST RUN: 37 miles using 8 gallons fuel	
PACKING TEST RUN: 55 miles using /2 gallons fuel COMPAPISON TEST RUN: 50 miles using 9 gallons fuel NON-ROAD FUEL USAGE: 25 % State: Type of Vehicle: Deed Irontocode ROUTE: Commercial PACKING TEST RUN: 55 miles using /2 gallons fuel COMPARISON TEST RUN: 37 miles using 8 gallons fuel	TYPE OF VEHICLE: Diesel Front Roaden
COMPAPISON TEST RUN: 50 miles using 9 gallons fuel NON-ROAD FUEL USAGE: 25 % State: City: TYPE OF VEHICLE: Desel Inatalogue ROUTE: Commercial PACKING TEST RUN: 55 miles using /2 gallons fuel COMPARISON TEST RUN: 37 miles using 8 gallons fuel	POUTE: Commercial
State: City: TYPE OF VEHICLE: PACKING TEST RUN: State: COMPARISON TEST RUN: State: State: PACKING TEST RUN: TYPE OF VEHICLE: State: State: TYPE OF VEHICLE: TYPE OF VEHICLE: State: TYPE OF VEHICLE: TYPE OF VEHICLE: State: TYPE OF VEHICLE: TYPE OF VEHICLE: State: TYPE OF VEHICLE: TYPE	PACKING TEST PUN: 55 miles using 12 gallons fuel
State: City: TYPE OF VEHICLE: PACKING TEST RUN: State: COMPARISON TEST RUN: State: State: PACKING TEST RUN: TYPE OF VEHICLE: State: State: TYPE OF VEHICLE: TYPE OF VEHICLE: State: TYPE OF VEHICLE: TYPE OF VEHICLE: State: TYPE OF VEHICLE: TYPE OF VEHICLE: State: TYPE OF VEHICLE: TYPE	COMPARISON TEST RUN: 50 miles using 9 gallons fue
State: Jork City: Lennou. TYPE OF VEHICLE: Descel frontsoader ROUTE: Commercial PACKING TEST RUN: 55 miles using /2 gallons fuel COMPARISON TEST RUN: 37 miles using 8 gallons fuel	·
TYPE OF VEHICLE: Desel Intercoder ROUTE: Commercial PACKING TEST RUN: 55 miles using /2 gallons fuel COMPARISON TEST RUN: 37 miles using 8 gallons fuel	
TYPE OF VEHICLE: Desel Intercoder ROUTE: Commercial PACKING TEST RUN: 55 miles using /2 gallons fuel COMPARISON TEST RUN: 37 miles using 8 gallons fuel	
TYPE OF VEHICLE: Desel Intercoder ROUTE: Commercial PACKING TEST RUN: 55 miles using /2 gallons fuel COMPARISON TEST RUN: 37 miles using 8 gallons fuel	chi.
TYPE OF VEHICLE: Diesel Irontologies ROUTE: Commercial PACKING TEST RUN: 55 miles using /2 gallons fuel COMPARISON TEST RUN: 37 miles using 8 gallons fuel	
PACKING TEST RUN: 55 miles using /2 gallons fuel COMPARISON TEST RUN: 37 miles using 8 gallons fuel	
PACKING TEST RUN: 55 miles using /2 gallons fuel COMPARISON TEST RUN: 37 miles using 8 gallons fuel	•
COMPARISON TEST RUN: 37 miles using 8 gallons fuel	ROUTE: Commercial
COMPARISON TEST RUN: 37 miles using 8 gallons fuel	PACKING TEST RUN: 55 miles using 12 gallons fuel
_	
NON-ROAD FUEL USAGE: 33.3 %	NON-ROAD FUEL USAGE:33.3 %

State: Tew Zork City: Model City TYPE OF VEHICLE: Diesel FrantsCoader ROUTE: Commercial PACKING TEST RUN: 82.2 miles using 27.7 gallons fuel COMPARISON TEST RUN: 77./ miles using // gallons fuel NON-ROAD FUEL USAGE: 42.2 %
State: Tew Zork City: Tew Hyder Cork TYPE OF VEHICLE: Desil Remarkable POUTE: Residential PACKING TEST RUN: 53 miles using 20 4 gallons fuel COMPARISON TEST RUN: 48 miles using /3,3 gallons fuel NON-ROAD FUEL USAGE: 34 %
State: Tew York City: Tew Hyde Park TYPE OF VEHICLE: Diesel Front Roader ROUTE: Commercial PACKING TEST RUN: 44.9 miles using 20.9 gallons fuel COMPARISON TEST RUN: 39 miles using /0.8 gallons fuel NON-ROAD FUEL USAGE: 50 %

State: few york
City: Men Thyde Park
TYPE OF VEHICLE: Diesel Franksonder
ROUTE: Commercial
PACKING TEST RUN: 38.5 miles using 13.9 gallons fuel
COMPARISON TEST RUN: 3/.2 miles using 6.9 gallons fuel
NON-ROAD FUEL USAGE: 50 %
State: New Zork
City: Parma
TYPE OF VEHICLE: Diesel Rear Loaden
POUTE: Residential
PACKING TEST RUN: 66 miles using 29./ gallons fuel
COMPARISON TEST RUN: 63 miles using 15.2 gallons fuel
NON-ROAD FUEL USAGE:%
State: Ohio
City: Kettering
TYPE OF VEHICLE: Diesel Sideroader
ROUTE: Pesidential
PACKING TEST RUN: 6.7 miles using 3.0 gallons fuel
COMPARISON TEST RUN: 6.7 miles using 1.2 gallons fuel
NON-ROAD FUEL USAGE: 60 %

TYPE OF VEHICLE: Diesel Siderosder
ROUTE: Residential
PACKING TEST RUN: 30. 3 miles using 100 gallons fuel
COMPARISON TEST RUN: 30.3 miles using 4.9 gallons fuel
NON-ROAD FUEL USAGE:
State: Ohio
City: Moraine
TYPE OF VEHICLE: Diesel Sideloader
POUTE: Residential
PACKING TEST RUN: 17.8 miles using 7.5 gallons fuel
COMPARISON TEST RUN: // miles using 3.5 gallons fue
NON-ROAD FUEL USAGE: 53.3%
State: Ohio
City: Morane
TYPE OF VEHICLE: Diesel Side Coder
ROUTE: Residential
PACKING TEST RUN: /2.6 miles using 5.5 gallons fuel

COMPARISON TEST RUN: 12.4 miles using 2.0 gallons fuel

NON-ROAD FUEL USAGE: 63.6 %

State:

<u>City</u>:

City:	
TYPE OF VEHICLE: Diesel Science	
ROUTE: Residential	
PACKING TEST RUN: 87.2 miles using 16 gallons fuel	
COMPARISON TEST RUN: 87.2 miles using $\prime\prime$ gallons f	ue 1
NON-ROAD FUEL USAGE: 31.2 %	
·	
State: Ohio	
City: Woosler	
TYPE OF VEHICLE: Bas Side Lander	
POUTE: Residential	
PACKING TEST RUN: /23 miles using 23 gallons fuel	
COMPARISON TEST RUN: /22 miles using /9.3 gallons f	ue1
NON-ROAD FUEL USAGE:	
State: South Dakota	
City: Rapid City	
TYPE OF VEHICLE: Sas Reardoaden	
ROUTE: Residential	
PACKING TEST RUN: 40 miles using 18.8 gallons fuel	
COMPARISON TEST RUN: 39 miles using 8.7 gallons f	uel

NON-ROAD FUEL USAGE:

ROUTE: Comm	Piesel Front Losder nercial //3 miles using / 8 gallons fuel //6 miles using / 4 gallons fuel
TYPE OF VEHICLE: POUTE: ROUTE:	Diesel Rearboader Lential 49.3 miles using 21.8 gallons fuel 50.2 miles using 12.5 gallons fuel
State: City: TYPE OF VEHICLE: ROUTE: PACKING TEST RUN: COMPARISON TEST RUN: NON-ROAD FUEL USAGE:	miles using gallons fuel miles using gallons fuel



National Solid Wastes Management Association

STATE TAX FUEL REBATES

STATE	YEAR ENACTED	REBATE	METER/ DOCUMENTATION	LEGISLATION/ ADMIN. RULE
CA	1971	23%	X	
CO	1977	25%	X	LEGISLATION
FL	1980	35%		LEGISLATION
IA	1987	30%	x	ADMIN. RULE
IL	1977	25%		ADMIN. RULE
IN	1982	41%		LEGISLATION
KS	1984	35%	X	ADMIN. RULE
MD	1986	25%	X	LEGISLATION
MO	1985	30%		LEGISLATION
NC	1982	33%		LEGISLATION
OR	1977	25%	X	ADMIN. RULE
TX	1984	30%		ADMIN. RULE
٧A	1985	35%	X	LEGISLATION
WA	1983	25%	X	

APRIL, 1987

ä v			186	SEPT '86	
				排井4	##4
TOTAL MILES		•			
FUEL/MONTH	541,100	614.	包包包	507.700	517.300
LES. DUMPED	172,660	191,	520	153,490	144,630
TIMES DUMPE	14.000	15.	1212121	13.000	13,000
		12,768.	(21/21/2)	11,806.923	11,125.385
MPG	1.782	adamanati.	915	2.088	2,260
FUEL/DAY		29.		33.847	
				57.790	
MILES/DAY					
CHST/MILE	3,639	.3.	277	2.506	2.877
CUST/MILE FUEL COST	745.492	AAE.	CAS	355.136	355.202
decented / Metal co	0.750	171	200	Ø. 335	71 × 71 A
\$FUEL/CUST	യ കാവ	12.1 t	1.4.70 1.4.70	75 4 TRA	O1 4 O1 C
## UEL. / UUE 1	20, 2020 201 2020	السامات شر ۱۳۱۳	110	570 E00	0.106 279.500
DUMP CUST	SWIL WWW	oan.		61. 7 17 x 13/2/42 10 x 4 12/42	
					0.083
#DUMP/TON	3.487	iii.	. ವಟಟ	3.642	3.865
1					
come come come grand \$554 gard \$499 \$ulink batter film	JULY '86	AUGUST	186	SEPT '86	OCT '86
	##9	##9		##9	##9
TOTAL MILES				936.000	884. 202
FUEL/MONTH					
LBS. DUMPEI				332, 942	
TIMES DUMPE		19.	ולוולוולו	19.000	19. 000
	17.959.048				15, 963, 158
MDG	2,,505,670 9 EMP		£14	3 059	2.917
				13.909	
h dert. Met. J. Com. h. C. com. proper	programme and arrival	gree may	C 4 /	1 115 **** 111 111	/ ms 4 ms 4
	20 120 20 120	wasan Taran	- ベスサ - カサご	40.7E0	43.131 38.435 7.955 217.403 0.246 0.031 408.500 0.058
MILED/DHY	O 444	ന്നു. സ	። ተተረጨ ማረጓፋ	TELLING	. യാവും എയായു സംസാത്ത
CUSTYMILE	(3. 111	C5 a	753	7.388	7.700
FUEL CUST	215.343	Eli.	. 700	dd1.044	#17.4W3
\$FUEL/MILE	0.246	۱۷۱.		W.ES/	V. 246
\$FUEL/CUST	Ø. Ø.3Ø	121	. 03E	M. MRS	W. W31
DUMP COST	451.500	400.	500	408,500	408.500
#DUMP/CUST	Ø. Ø63	(Z)	. Ø62	0.060	0.058
#DUMP/TON	2,394	Ξ.	. 353	2.454	2.694
				drage hip or Friend Everth SARLY years liqued brook drage depose drive bland	
garing lived for to report bytes conf. (conf) bland gapely linger to	.1U V 286	AUGUST		SEPT '86	DCT 'A6
	##10				##10
TOTAL MILES	3 01 (7)(7)(7)	171.	ולוולוולו	(2) (2) (2) (2)	7 <i>0</i> 1 (71/21/21
FUEL /MONTH	492. NNN	448	. 121121121	400.000	416.000
LBS. DUMPEI) 588.120	561	4000	548, 060	422,380
TIMES DUMPI	31.000	SA	, יייני. עלולאולו ,	PA DIDI	24,000
				19,573.571	
MDG	in i	[5] E'M' M'M	ישישים. ילוללולן	Di DiDiD	
FUEL/DAY	0.000 21.391	නු 	こうひりょうりょう	ୟ. ଅଧାର ଏକ ଏକର	Ø. ØØØ 19. 81Ø
	ED 101	21. 61			46.801
LBS/CUST	59.191				
MILES/DAY	0.000		. 000		
CUST/MILE	Ø. ØØØ		200		
	314.388			289.600	
#FUEL/MILE	0.000		. 2222		
\$FUEL/CUST	0.032			0.030	
	875.750	791		791.000	678.000
	Ø. Ø88	(2)	. Ø87	0.082	
*DUMP/TON	2.978	E	.818	2,887	3.210

	1				
•					
· ·	JULY '86 ##11	AUGUST '	86	SEPT '86 ##11	OCT *86 ##11
TOTAL MILES					
FUEL/MONTH	433.000	435.0	00	423. 000	420.000
LBS. DUMPED	349,770	337,5	90	423.000 307,450	274, 790
TIMES DUMPE	23.000	22. W	MIN	21.000	1,3" KIKIKI
LBS/LOAD	15, 207. 391	15, 345.0	1121121	14,640.476	14,462.632
MPG "	2,497	11. 21.2	99	2.470	2.524
FUEL/DAY	18.826	20.7	14	19.227	18.261
LBS/CUST	62.325	65.3	61	55.839	47.607
MILES/DAY	47.000	47.6	319	47.500	46. Ø87
CUST/MILE FUEL COST	5.191	5. 1	65	5,269	5.445
FUEL COST	276.687	ded. E	205	306.252	301.35W
\$FUEL/MILE	Ø. 256	W. 5	icid V	Ø. 293	Valid4
\$FUEL/CUST DUMP COST	VI. VI49	ለጉም ው ሙ ድርጉ	ಗಣನ ಹಾಡ	450 E00	AGE SOO
\$DUMP/CUST	434.0VM	47 ረጋ	ሚሚ፤ ነወ:⊃	AMI. DAM THE	ייזעים בטעיעי מו מודא
\$DUMP/CUS1 \$DUMP/TON	2.828		. Ji± iØi⊇	2.937	0.47Z
ATACMANA LENA		E. O	* *K.* k	Lund of the f	tern 18 to 5 ft Soul
which where make decire beautifully for a light state 1956 forth		AUGUST 1	 86	SEPT '86	OCT '86
	##12			##12	
TOTAL MILES				939.000	
FUEL/MONTH					
LES. DUMPED					
TIMES DUMPE	•	8.12			10.000
LBS/LOAD	24,585.000	22,140.0	12121	21,025.000	21,050.000
MPG	2.073	3,3	371ZI	3.504	3.122
FUEL/DAY	22.568	16.6	515	15.765	16.800
LBS/CUST	71.921	74.5	545	53.841	58.262
MILES/DAY CUST/MILE	46.773	56. Ø	1/21/21	55.235	52,450
CUST/MILE	3, 986	تأييلا	254	ವಿ.ವೆಜೆ/	5.444
FUEL COST	317,264	160.4	188	194.032	
\$FUEL/MILE \$FUEL/CUST	Ø. 308	ולויים	KE D	Ø.207	
PHMD COOT	. ۷.۱ کار کار اگرانگاری انگاریکاری	996 6	ソロロコ	226 171717 226 171717	282.500
\$DUMP/CUST					
&DUMP/COOT &DHMD/TOM	2,298	(D E	352 352	2.687	2,684
#DUNE / 1 (DIA	Lie G. fine of her	broot to to	112 141		,
grape carrie in the Brain cross bland cross states while being hear	THV 196	AUGUST ?		SEPT '86	OCT 186
				##14	
TOTAL MILES	3 1.925.000	1.688.0	202020	1,655.000	1,954.000
FUEL/MONTH	901.100	711.0	<u> </u>	646.700	815.100
LBS DUMPET	244.120	250.6	640	270,010	216.560
TIMES DUMPE	25.000	25.0	21/21/21	26.000	23.000 9,415.652
LBS/LOAD	9,764,800	10,025.0	SØØ	10,385.000	9,415.652
Mbe	2.136	2.7	374	E. 559	9,413.632 38.814 58.231 93.048 1.903 559.811 0.286
FUEL/DAY	39.178	35.5	550	30.795	38.814
LBS/CUST	51.874	60.3	581 ムプラ	62.171	38.231 ar aka
MILES/DAY	83.696 5.445	84.4	在CDC CCC	70.010	20,004 7 007
CUSI/MILE	E.44D	ಮ್ಕ4 ಅ:ಕರ್-ತ	707 952	C.DC4	1. 2005 440 011
TUEL CUST	ವ/ಪ*ವಾಪ್ಪ ದೇ ತಟಟ	.J.L / a t Ω = "2	こける 2014年	700.007	awaa tara Maraka
東にいたにと呼ばれた	Ø, EDD Ø, 199	171.	125 125	Ø. 104	Ø. 151
DHMD CUCL	537. SAA	537.5	500	559. AAA	494.500
#INDVCHGT	171.114	ØD.	129	0.129	0.133
\$DUMP/TON	4, 404	4:8	289	4.141	559.811 0.286 0.151 494.500 0.133 4.567
T bert T					

	THE SE	AUGUST '86	CEDT 1AC	OCT 1AC
		##15		
TOTAL MILES				
FUEL/MONTH	372.000	332.000	351.000	279.000
LES. DUMPED	392.880	396.020	368, 360	273.020
TIMES DUMPE		16. 202	16. 202	13.000
LES/LOAD ;		24,751.250	23,022.500	21,001.538
MPG	. ଅ. ଅଅଅଅ	0.000	Ø , Ø12121	0.000
MPG FUEL/DAY	16.174	. 15.810	16.714	13.950
LBS/CUST MILES/DAY	53.042	59.329	55.260	43,558
MILES/DAY	ଡ଼ା, ଏହାଥ	Ø1. (Z1/Z1/Z1	Ø1. Ø1Ø1Ø	Ø. ଅପତ
CUST/MILE		Ø. 0000	(2) _ (2)(2)(2)	Ø. ØØØ
FUEL COST			254.124	
\$FUEL/MILE	0.000 0.032	Ø. 1212121	Ø. ØØØ	(21., (21.21(2)
\$FUEL/CUST	0.032	0.037	0.038	Ø. Ø32
DUMP COST	756.000	672.000	672.000	546. 202
\$DUMP/CUST	0.102	0.101	0.101	21, (287
\$DUMP/TON	3,849	3.394	3, 649	2, 287 4, 222
manika dakkir pedank kedadi rakong Amana guyung rejamb probins dapinak dakaba s	TIII V 9 06	OUGUET 105	GEDT 104	OCT 196
	##16	AUGUST '86 ##16	##16	##16
TOTAL MILES	សស់លា ស់លាល់ សំលាស់ សំលាស់	4.20 1000	433 0000	AEA DOO
LBS. DUMPED	440 900	443 290	407.120	369, 866
TIMES DUMPE	29.000	26.000	25. 000	24. AAA
LBS/LOAD				
MPG	3 295	2.986	3.0A1	5, 064
FUEL/DAY	19.148	20.000	20.619	20.348
FUEL/DAY LES/CUST MILES/DAY	64.038	69.733	63.424	53. 487
MILES/DAY	63.087	59.714	63.524	62.348
CUST/MILE FUEL COST	4.745	5.069	4.812	4,822
FUEL COST	281.416	312.060	313.492	335.790
\$FUEL/MILE	0.194	0.249	0.235	Ø. 234
\$FUEL/CUST	0.041	0.049	0.049	0,049
DUMP COST				
\$DUMP/CUST	Ø. Ø91	0.088	Ø. Ø84	0.075
\$DUMP/TON	2.828	2. 522	2.640	2.790
		was seem pure your was ideas after some term about front		
saged drawd haster daying error from orned movie broad hoose burd		AUGUST '86		
		##17		
TOTAL MILES				
FUEL / MONTH	446. 202	351.000	366. 202	398. 000
LES. DUMPED	341,370	287,460	317,370	241,910
TIMES DUMPE	18.000	16.000	18.000	17. 000
LBS/LOAD				
MPG	3.397	3.675	3.036	3, 593
FUEL/DAY	20.273	18.474	17.429	18.952
LBS/CUST	81.086	79.059	79.821	60.057
MILES/DAY	68.864	67.895	52.905	68.095
CUST/MILE	2.779	2.819	3.579	2.817
FUEL COST	284.994	260.793	264.984	285.565
\$FUEL/MILE	0.188	0.202	Ø.239	0,200
\$FUEL/CUST	Ø. Ø68	0.072	0.067	0.071
then I be a pool and free free day regard			man and annual and a	
	387. 000	344.000		
\$DUMP/CUST	387. 000 0. 092	344.000 0.095	Ø. Ø97	0.091
\$DUMP/CUST	387. 000 0. 092	344.000 0.095	Ø. Ø97	