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Take me back where I belong!

British Columbia Used Oil Management Association
Presentation to CWMA Conference
Crown Isle Resort

October 30, 2008

Theme Of Session is Very Appropriate – “TAKE ME BACK WHERE I BELONG”

- ◆ Over many decades consumers have learned where to go for purchasing items & to dispose of used items, mostly in the garbage at curbside.
- ◆ With the advent of curbside recycling, composting and stewardship programs there is a whole new challenge for consumers.
- ◆ The number, complexity & diversity of the new products sold to consumers has dramatically increased while their product life is decreasing.
- ◆ This draws me back to the quote from Machivelli, an Italian statesman some 400 years ago, who advised that there is nothing more difficult to take in hand, more perilous to conduct, or more uncertain in its success, than to take the lead in the introduction of a new order of things, because the innovation will make enemies all those who have done well under the old conditions and lukewarm defenders in those who may do well under the new.

“TAKE ME BACK WHERE I BELONG” – HOW DOES IT WORK FOR USED OIL MATERIALS

- ◆ January 2003 regulation required oil, filter & oil containers producers to take stewardship responsibility for the collection & recycling.
- ◆ Program was operational in July 2003.
- ◆ All Producers agreed to a joint BC Used Oil Management Association (BCUOMA) Program.
- ◆ It is up to the Producers (BCUOMA) how they fund the program and whether the fees are visible or not.
- ◆ If eco fees are assessed, an independent 3rd party financial audit report is to be submitted to the government annually.
- ◆ A report on program performance is to be submitted to the Ministry of Environment annually.
- ◆ Every 5 years the stewardship program plan is reviewed.

OIL

- ◆ Approx. 100 million litres of oil was sold in BC in 2007.
- ◆ Includes engine, gear, electrical insulating, air-conditioning & compressor oils as well as hydraulic, transmission & power steering fluids.
- ◆ It is estimated that 30.1% of the oil in BC is consumed in use and approximately 70 million litres are potentially recoverable.
- ◆ In 2007, 49 million litres were recovered (70.3% Recovery Rate) and other approximately 21 million litres were used for other uses with a small amount discarded in landfills or the environment.
- ◆ About ½ of the 49 million litres is re-refined into new lube oil and the most of the remainder is processed, tested and then used as a fuel in pulp mills & asphalt plants.

OIL FILTERS

- 💧 6.241 Million oil filters sold in BC in 2007.
- 💧 All of the filters are potentially recoverable.
- 💧 About 33,870– 45 gallon drum of filters collected (assuming average of 155 filters/drum) – 5.249 million filters – 84.1% Recovery Rate.
- 💧 Filters are crushed and taken to a steel mill to make re-bar, nails or other steel products.

OIL CONTAINERS

- ◆ In 2007 only about 40% of the oil sold was sold in plastic oil containers (up to 30 litre container size) – the remainder was bulk oil.
- ◆ For the last 3 years the amount of oil sold in bulk has increased & the trend is expected to continue.
- ◆ 2.187 million kg of oil containers sold in 2007, of which 1.386 million kg was recovered (63.4%).
- ◆ Most of the containers are processed by M & R Environmental and Merlin Plastics where they are shredded, centrifuged. Merlin then washes & pelletizes for both companies and sells the pellets to make new oil containers & other plastic products.

“TAKE ME BACK WHERE I BELONG” – HOW DOES IT WORK FOR USED OIL MATERIALS

- ◆ BCUOMA is a not-for-profit industry association.
- ◆ Eight person Board of Directors composed of:
 - ◆ 6 industry representatives;
 - ◆ 1 from local government; and
 - ◆ 1 from public at large.
- ◆ Environmental Handling Charges (EHCs) of \$.05/l of oil, \$.05/l of container & \$.50 for filters < 8” & \$1.00 if larger.
- ◆ \$10.6 Million in revenue for 2007 from 170 producer members.
- ◆ Work out of my home office in Chilliwack & share an office with Alberta Used Oil in Edmonton.

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“TAKE ME BACK WHERE I BELONG” – HOW DOES IT WORK FOR USED OIL MATERIALS

- ◆ Registered Collectors regularly pick up used oil from over 4,000 generators across BC.
- ◆ To be registered with BCUOMA, Collectors & Processors must:
 - ◆ engage an independent qualified Professional to conduct an environmental audit & write a Letter of Regulatory Compliance to ensure operation is in substantial compliance with Environmental Laws & Regulations;
 - ◆ Provide a copy of their current Business Licence; and
 - ◆ Repeat the above two requirements each year.
- ◆ Collectors are paid twice per month once they have provided written documentation to show that the collected material has been delivered to a BCUOMA registered Processor – in case of filters must go to steel mill or metal broker.
- ◆ Recycled materials can only go to approved end-uses.

“TAKE ME BACK WHERE I BELONG” – AND WHERE IS THAT FOR USED OIL MATERIALS

- 💧 Of the over 4,000 generators, 500 of them are designated return collection facilities for the do-it-yourselfer, including 79 on Vancouver Island & Gulf Islands.
- 💧 No charge for the do-it-yourselfer to take back to return collection facilities
- 💧 The locations of these sites can be accessed through the RCBC Recycling Hotline & www.usedoilrecycling.com.
- 💧 It is up to local governments whether or not their transfer stations, recycle centers, landfill sites or public works yards are return collection facilities for the do-it-yourselfers.
- 💧 There is a challenge in remote areas of BC to provide reasonable consumer convenience without spending large amounts of money – as a result, BCUOMA has money in its 2008 budget to assist local governments in purchasing oil tanks.

“TAKE ME BACK WHERE I BELONG” – IN SAYWARD



**This spring
BCUOMA paid for
the cost of a double-
walled oil tank to be
installed at the Public
Works Yard in
Sayward**

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“TAKE ME BACK WHERE I BELONG” – PILOT PROJECT WITH TNRD



BCUOMA Board recently approved an expenditure of \$44,420 to TNRD for a pilot project to pay for double-walled oil tanks and/or plastic hard tops at 9 of their remote transfer stations and landfill sites. Payment will be made once the facilities are in place later this year.

British Columbia Used Oil Management Association

RI Zone Map *(Updated August 2004)*



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RETURN INCENTIVE (RI) RATES

ZONE	USED OIL (\$/litre)	OIL FILTERS (\$/kg)	Oil Containers (\$/kg)
1	0.05	0.68	1.19
2	0.09	0.76	1.46
3	0.11	0.94	1.46
4	0.08	0.74	1.37
5	0.16	1.19	1.67
6	0.13	0.90	1.50
7	0.08	0.74	1.37
8	0.11	0.94	1.46
9	0.11	0.94	1.67
10	0.16	1.19	1.67
11	0.27	1.50	5.40

An additional \$0.30/kg is paid to the Plastic Oil Container Processor

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“TAKE ME BACK WHERE I BELONG” - GETTING THE MESSAGE OUT

- 💧 Ambassador Program
- 💧 Radio ads 
- 💧 Local Government Recycling Calendars
- 💧 Brochures
- 💧 Signage at Return Collection Facilities
- 💧 E-Newsletter
- 💧 Participation at Local Government Events

2008 Creative Platform - Visuals

Brochure



Window Cling



Table Top Display



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2008 Ambassador Program

- **423** used oil collection sites visited
- Partnership with Product Care & PCPSA
- 20 meetings with Local Governments
- 39 media hits
- Presence at 7 community events



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“TAKE ME BACK WHERE I BELONG” – OPPORTUNITIES FOR THE FUTURE

- Include antifreeze in the program.
- Deal with ineligible materials mixed in with oil containers
- Increasing the level of service & the recovery rates as public awareness increases.
- Want to continue to work with others on issues such as “mid-night dumping, contamination of used oil, consumer awareness, convenience and participation.

“TAKE ME BACK WHERE I BELONG” –IN CLOSING

We earlier talked about the Machivelli quote about how difficult it is to bring about change but consider for a moment the challenge that Columbus had in the late 1400's. He started out not knowing where he was going. When he got there he didn't know where he was, so when he got back he couldn't say where he had been! And, he did it all on a cash advance from the King & Queen of Spain and he managed to get a repeat order.

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Thanks, a million.

