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Placarding rules for vehicles carrying dangerous goods

As transporters of a hazardous waste, NORA-SA used oil collectors conform to the SANS 10232 - legislation which governs the placarding and documentation of vehicles carrying dangerous goods.

General requirements all NORA-SA collectors must meet:

- All vehicles' placarding and documentation must be an accurate reflection of the dangerous goods being transported.
- Dangerous goods placards must be made out of a rigid material (such as painted metal plate, rigid plastics, plastics material or coated paper) that can withstand bending and warping and must be 700 mm wide and 400 mm high in size (regular sized placard) with a 10mm black border.



Vehicle placarding used by NORA-SA collectors

The word WASTE must be above the UN number as per the above picture.

A cell phone or landline number must appear as the Operator number, provided it is available 24 hours per day.

A used oil collector's insurance provider's number, a HAZCALL or a control room number can be used for Specialist Advice - provided it is available 24 hours per day.



Example of a vehicle that exceeds the exempt quantity with the correct signage.

The full placard, including the 10 mm black border, must be clearly visible from the roadside, whether directly fixed on the vehicle, or supported on a permanently fixed frame. The placard must also be clean and legible.

Three regular-size dangerous goods placards must be stuck on the vehicle, semi-trailer or trailer - one at the rear and one on either side of the vehicle. Vehicles with a GVM of less than 3 500 kg can be fitted with smaller placards (350mm x 200mm) where space does not allow the fitting of a regular size placard.

A regular-size (250mm x250mm) orange danger warning diamond must also be attached to the front of a vehicle or a truck tractor so that it is clearly visible from the front. Again, vehicles with a GVM of less than 3 500 kg may be fitted with a reduced-size (100mm x 100mm) danger warning diamond where space does not allow the fitting of a regular-size danger warning diamond.

All vehicles must carry the following documents in the designated space:

- a transport emergency card, in the form of a TREMCARD or TREC for each dangerous goods item;
- one or more dangerous goods declaration(s) to cover all the goods that comprise the load;
- confirmation of classified waste, if applicable.

Vehicles less than 3500kg Gross Vehicle Mass (GVM) carrying not more than 1000 litres of waste oil, are exempt from the current legislation, in that the driver does not need a PRDP-D, but must still have a TREMCARD or TREC and dangerous goods declaration.

Olegra Oil – An empowerment success story



Olegra Oil is a Level 1 BEE organisation that offers a used oil collection service in the Northern Cape. In 6 years of operation, the business has proved to be a remarkable empowerment success story.

Started in 2009, as an Enterprise Development Project, and funded by the PPC Ntsika Fund as an interest free loan repayable over five year period, Olegra achieved notable success in a short time. The business was able to repay its loan of R6 million back in full within 56 months and the company attained a Level 1 BEE Certification.

Olegra has a 51% BEE Shareholding – all of whom are employed within the company. The workforce consists of a senior manager, a site manager, an accountant, two truck drivers, two truck assistants, and four petrol attendants who work in the filling station also owned by the company. First dividend paid to shareholders in May 2014, with a second dividend paid in May 2015. All Olegra Oil staff receive a market related salary with a thirteenth cheque annually, participate in a pension fund, where the employee contributes 7.5% of basic pay and the Company contributes a further 8%, and are on an annual incentive scheme, based on a personal score card with objectives.

Volumes and growth

Olegra Oil, which has long term contracts with all the big Northern Cape Mines and a host of other smaller operations, started out modestly with a monthly volume of 26,000 litres collected in 2009. The business currently consists of the Lime Acres Filling Station & the Used Oil Collection Service. Volumes and turnover have grown consistently and the past financial year saw



Olegra Oil collect in excess of 2.8 million litres of used oil. PPC Lime remains their primary customer utilising approximately 25% of Olegra's collections on average. The remainder of used oil collected is sold to other waste managers.

Current Challenges

The drop in the Brent Crude Oil price has had a negative effect on the price of used oil that customers are prepared to pay and used oil volumes collected by Olegra in the Northern Cape in recent months have decreased by around 30% as a result.

Future plans

Future growth plans for Olegra Oil, in the face of ongoing demand for processed oil to use in the explosives and other manufacturing processes, include the establishment of a bulking facility in Upington – as well as the development of a used oil processing unit. Based on the company's performance to date, it is apparent that this agile and forward thinking business will meet its challenges and continue to thrive.

Compliance - The key for sustainable business

No business has ever succeeded without complying with the rules of its sector. The same applies to all stakeholders in the used oil industry. Recently, Government proposed changes to the South African waste management legislation, to reduce, re-use and recycle generated waste in a more sustainable manner.

In the light of recent proposed changes by Government, NORA-SA has made sure that its members are keeping abreast of legislation by applying for municipal waste transport permits on behalf of the members, and issuing UN Chemtainers, spill kits, first aid kits, operation manuals, waste manifests and relevant placarding.

In addition, NORA-SA communicates to its stakeholders through newsletters and publicity, to ensure members and their customers are kept updated with the legislation requirements for their businesses.

The members also receive incentives from the ROSE Foundation for delivering their used oil to licensed facilities as required by the Waste Act No.59 of 2008. Through NORA-SA, collectors and processors have a voice to shape compliance in the industry.

According to Mr Lihle Mqayi who works as the Environmental Advisor for the ROSE Foundation, being or using a NORA-SA member is the viable way of staying compliant with the legislation requirements. Generators of used oil are encouraged to use the compliant collectors and processors for the safe disposal of their used oil and to make sure they have received a proper waste manifest with the details of the waste manager and waste transporter.



Mike Roux (left) from Automotive Waste with Lihle Mqayi (right) from the ROSE Foundation.



Lihle Mqayi (right) from ROSE, showing Unathi Dube (left) and John Ndlovu (centre) both from Madlesilo Transport, how to complete the waste manifest.

Training

A benefit the ROSE Foundation affords NORA-SA members, is the provision of basic skills training in first aid, the transportation of dangerous goods, oil spill containment and fire fighting.

The training is provided by experts and is intended to equip NORA-SA collectors with an understanding of health and safety practice and what to do in an emergency situation.

Training is conducted across the country in the major centres, by registered and approved service providers. Haztrain provides training in the transport of dangerous goods where a minimum of 70% is required to be proficient. Note that all documentation has to be completed in English. St Johns provides basic first aid training, to equip the collectors to respond in emergency situations.



NORA-SA Collectors receiving training in basic first aid.



NORA-SA members being shown how to use a fire extinguisher in case of fire on their vehicles.

Audits

In addition to the audits conducted by municipalities such as the City of Johannesburg, NORA-SA conducts annual audits on its member collectors.

Compliance among the collectors has improved over the years and it is pleasing to see that collectors strive to be compliant. Regular ad hoc audits are conducted by the ROSE Environmental advisor, Lihle Mqayi. The service provider for this aspect of compliance is Richard Durrant of Transheq, who conducts formal annual audits.



Are your papers in order? NORA-SA collectors documentation requirements:

NORA-SA collectors are required to keep the following documentation in or on their vehicles at all times:

1. Used oil purchase contract
2. Valid appropriate drivers licence
3. Professional drivers licence for vehicles over 3,5 ton gross mass (PrDP-G)
4. Material Safety Data Sheet
5. Vehicle licence
6. Vehicle roadworthy certificate
7. SABS Letter of Exemption on Dangerous Goods
8. Environmental Incident Book
9. Standard procedures for spillage, fire, accident, injury and the reporting of incidents and emergencies
10. Vehicle placarding Other documents to be made available for inspection:
11. Certificates of safe disposal
12. All permits

The importance of safety in the workplace

Accidents in the workplace can result in serious injury or death.

NORA-SA Collectors spend most of their working days handling and transporting hazardous waste, and safety measures are key to preventing accidents. Fortunately, NORA-SA collectors receive safety training and equipment guidelines.

Safety Checklist for NORA-SA Collectors:

- Fire extinguishers must be serviced on an annual basis with an accredited service centre and be correctly secured in your vehicle.
- The lights and indicator lights must work on your vehicle.
- The hooter and wiper blades must be in working order.
- Do not overload your vehicle.
- Ensure that your tyres are roadworthy and that the spare tyre is inflated and in good condition. When replacing your tyres make sure that you purchase tyres with a sufficient load rating.
- Ensure that you have a spill kit on board.
- Have a warning triangle in your vehicle.
- Keep a first aid kit in your vehicle.

For those NORA-SA collectors who employ drivers to operate their vehicles, it is equally as important to ensure all of the above safety measures are in place because if a worker is injured on the job, it costs the company in lost work hours, increased insurance rates, workers' compensation premiums and possible litigation. Even a single injury can have far-reaching and debilitating effects on your business.



Collectors must ensure their fire extinguishers are regularly serviced.



Approved Storage Facilities

- Oil Separation Solutions Sales & Services (Pty) Ltd** – 3 Industria Road, Burgersfort, (013) 231 8492
- FFS Refiners (Pty) Ltd** – New Ark Road, Small Craft Harbour, Richards Bay, (035) 788 0130
- Oil Separation Solutions Sales & Services (Pty) Ltd** – 9 Coetzer Street, Rustenberg, (014) 592 6001
- Oil Separation Solutions Sales & Services (Pty) Ltd** - Unit 5, Beach Boulevard East, Diaz, Mossel Bay, (044) 695 4922
- FFS Refiners (Pty) Ltd** – 61 Paterson Road, North End, Port Elizabeth, (041) 484 1536
- Oil Separation Solutions Sales & Services (Pty) Ltd** – 10 Celsius Street, Middelburg, (013) 246 2033
- FFS Refiners (Pty) Ltd** – 103 Vintner Place, Prospecton, 4110, (013) 902 8560
- Oil Recovery Services** – 1 Andries Pretorius Street, Sub 2 Off Lot 138, Weenen, 3325, 082 801 4472
- FFS Refiners (Pty) Ltd** – Cnr Lood & Viben Street, Brackenfell, 7560, (021) 982 5267
- Kia Ora Oils** – Farm Kia Ora, Karino, Nelspruit, 082 554 1687
- FFS Refiners** – 246 Kerk Street, Hamilton, Bloemfontein, 084 598 7007



Waste Managers

- Oil Separation Solutions Sales & Services (Pty) Ltd** – 27 Profab Crescent, Delville, Ext 4, Germiston, 1400, (011) 824 7580
- FFS Refiners (Pty) Ltd** – 1 Frankdale Road, Vissershok, Cape Town, (021) 557 4529/5301
- BME** – Weltevereden Farm, Dryden, Delmas, (011) 655 1860
- PPC Lime** – Limeacres, 053 385 8203
- The Old Oil Man** – 4 Nellampius Road, Chamdor, Krugersdorp, (011) 762 2558/9
- Enfields Chemicals CC** – Unit 6, Manchester Park, 11 Manchester Road, Pinetwon, Durban, (031) 702 9778
- FFS Refiners (Pty) Ltd** – 130 Teakwood Road, Jacobs, Durban, (031) 465 1466
- FFS Refiners (Pty) Ltd** – 1 Neutron Road, Chlookop, (011) 976 2198
- FFS Refiners (Pty) Ltd** – 16 Herschensonn Road, Plessislaer, Edenvale, Pietermaritzburg, (033) 398 1651
- VISCOL** – 130 Sarel Baard Crescent, Gateway Industrial Park, Rooihuiskraal, Centurion, (012) 661 9888
- NKOSINATHI OILS** – 3 Street, off Wiltshire Road, Southmead, Pinetown, (031) 030 0645



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