



Proper medical and industrial waste management at Lao Kayama, with a particular emphasis on plastic waste



LAO
KAYAMA

Lao Kayama Sole Co., Ltd
22th Agu 2023



www.laokayama.la



Phonekheng village, Xaysettha District, Vientiane Capital





TABLE OF CONTENT

1 Table of Content

2 About Company

3 About Speaker

4 Our Service and Activities

5 Contact



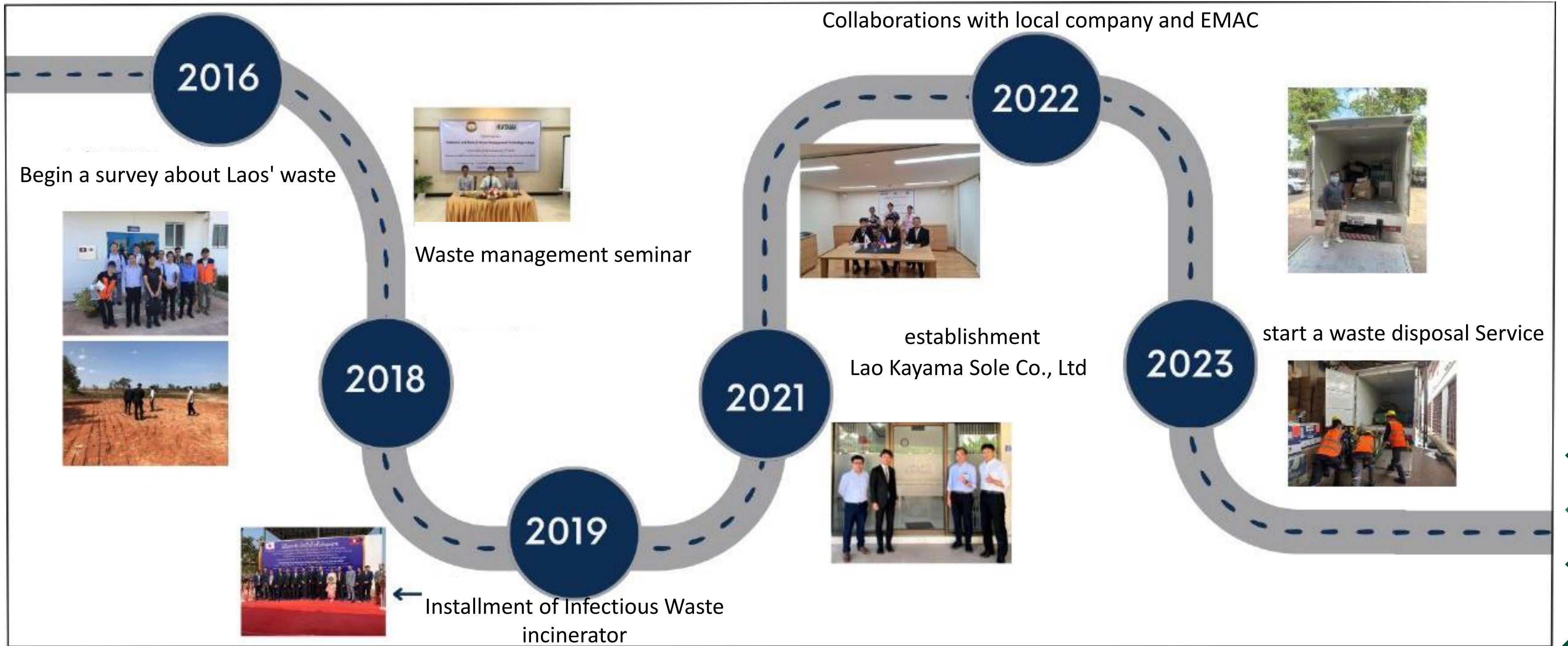
WELCOME

In Our Company Profile

ABOUT

| | |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| company name | Lao Kayama Sole Co., Ltd. |
| our business | <ul style="list-style-type: none">① Waste management② Consultation<ul style="list-style-type: none">• Local consultation• Support for Laos expansion of Japanese companies• Waste treatment consultation• Coordination③ Japanese ⇔ Lao translation, interpretation④ Real estate brokerage |
| Representative | Junichiro Kayama |
| Japan office | 2-67 Minamichigiri, Toyokawa City, Aich Prefecture |
| Laos office | Unit 24 Dontill Village, Xaythany District Vientiane Capital, Lao PDR |
| Capital | 750 Million Kip (approx. 8m JPY) |
| Employee | 4 |
| Estalished | 4th February 2021 |

ABOUT



ABOUT ME



I work as a waste management environmental engineer
2018 I graduated from a university in Japan with a Master's Degree in Environmental Engineering. After graduation, I spent three years working for a waste management company in Japan and coordinating a waste management project in Vientiane.

2021 I assisted in the establishment and am the Manager of Lao Kayama Sole Co.,Ltd.

We use our waste management experience and collaboration with the Environmental Management Academic Center (University of Laos) and Savan EMC Co.,Ltd to provide international standards service for E-waste, hazardous, and industrial waste disposal.



OUR SERVICE AND ACTIVITIES

Waste management , Consulting, Environment Class

Medical waste management

Before introduce Japanese waste management system



- ◆ Laos' waste generation is increasing in line with the country's rapid economic and population growth. However, a medical waste incinerator with sufficient capacity was installed at the final landfill. So Incinerator Is insufficient for medical waste detoxification treatment.
- ◆ Has a lot of **plastic** waste that wasn't managed properly and was dumped in landfills. poses risks like **secondary infection**, contaminated groundwater, environmental pollution, and destroyed scenery.
- ◆ If we do not manage waste properly, it will lead to environmental problems.

Medical waste management

After introduce Japanese waste management system



- ① Utilize safety boxes instead of bags to prevent needle injuries and improve hygiene within hospitals.
- ② Improve transport system to efficiency.
- ③ Construct incinerators which have sufficient capacity based on proper estimations of the amount of waste generated.
- ④ Increase awareness of medical infectious waste not only by introducing new incinerators but also by promoting the hygiene of medical staff and waste collection and transportation workers.
- ⑤ Detoxifying infectious waste by incineration can help **reduce plastic**.

Medical waste management



After verification survey, we handover to VCOMS to operate

Industrial waste management

OUR COLLABORATION & SUPPORT



Faculty of Environmental Sciences,
National University of Lao



T.M.C. Industrial Public Co., Ltd



Small-b investment consultant Sole Co.,Ltd



Savan EMC Co., Ltd.



SAVANNAKHET Special Economic Zone Authority
Ministry of Planning and Investment



WONGPANIT INTERNATIONAL CO.,LTD

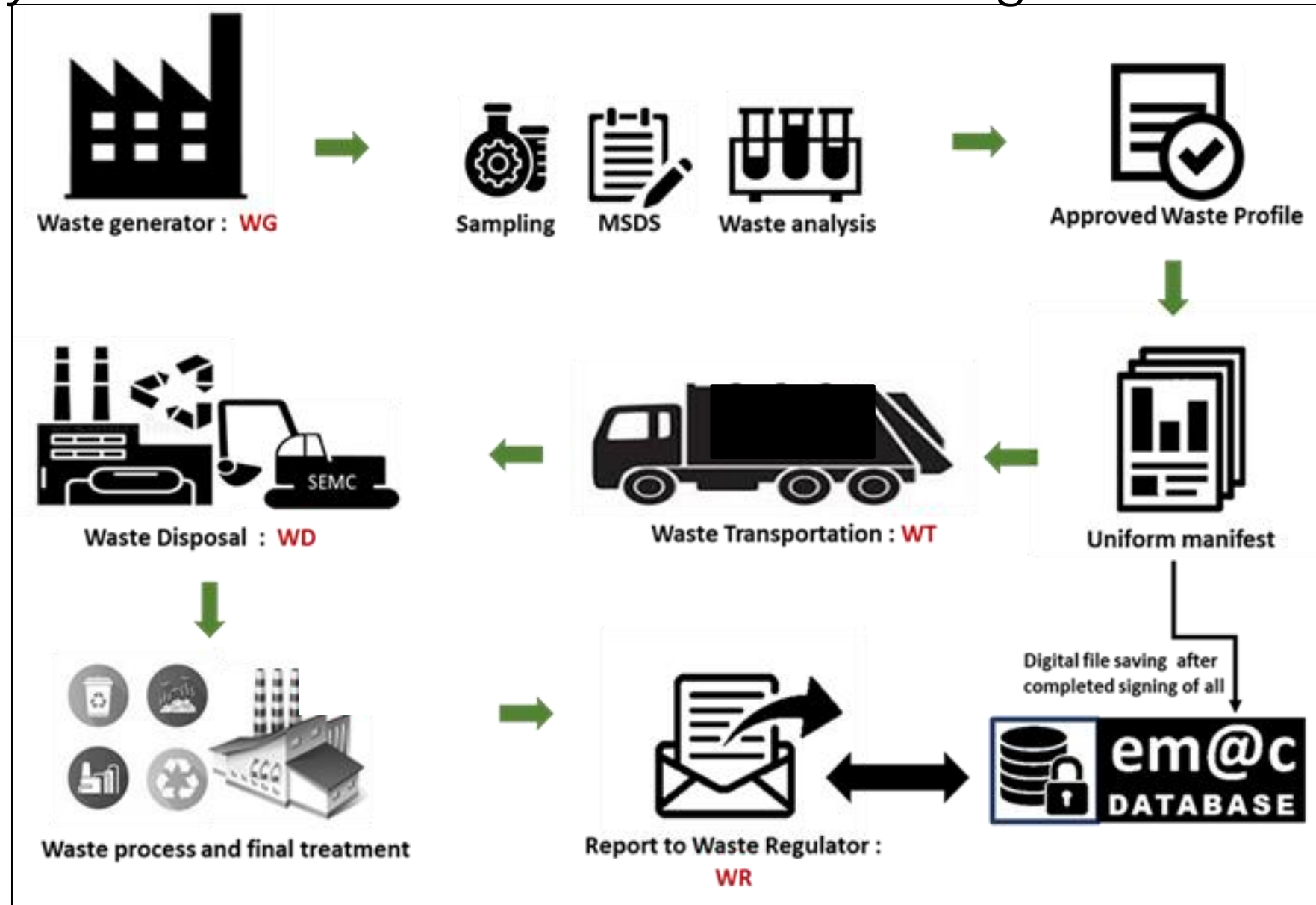


LAO
KAYAMA

Industrial waste management

Service of management and disposal

By collaboration with the Environmental Management Academic Center (University of Laos) and Savan EMC Co.,Ltd



- ✓ industrial waste
- ✓ chemicals waste
- ✓ Hazardous waste
- ✓ Recyclable waste
- ✓ Waste management consulting

- ✓ our waste disposal service We use **the Manifest system** to track the progress of disposal process. the same international standard . This system is applicable for **ISO** audits.
- ✓ Our service is used by large projects and businesses that require proper disposal.
- ✓ **To reduce plastic**, we separate the waste and crush it before processing it into fuel (RDF) for the cement factory.

Industrial waste management



The image shows four copies of the 'Uniform Hazardous Waste Manifest' form, each with a different background color (green, yellow, pink, and light blue). Each form is filled out with the same information, representing different stages of the waste management process: Waste Generator, Waste Transporter, and Waste Disposal.

Section 1: Waste Generator Information

| | |
|-------------------------|------------------------------------------|
| ຊື່ອົງການຈັດຕັ້ງ / Name | ສຸນວິໄຈອາຫານ ແລະ ຢາ |
| ທີ່ຕັ້ງ / Address | ຖະໜົນ ຄູວຽງ, ບ້ານ ຕົ້າຍອດ, ເມືອງ ສີສັກດາ |
| ໂທລະສັບ / Telephone | 021 217 284 |

Section 2: Transportation Information

| ລຳດັບ No. | ຮູບແບບການບັນຈຸ Package | ຈຳນວນ Quantity | ຫມວຍ Unit | ສະຖານະ Phases of matter | ລາຍລະອຽດ Description |
|----------------|------------------------|----------------|-----------|-------------------------|-------------------------------------|
| 1 | ຖົງດຳ | 25 | | ຖົງ | ຂອງແຫຼວ ບັນຈຸໃນພາຊະນະບັນຈຸຫຼາຍຊະນິດ |
| ຂອງແຫຼວ Liquid | | 441.06 | | | |
| ກາກຕົມ Sludge | | 0.00 | | | |
| ຂອງແຂງ Solid | | 184.2 | | | |
| ທັງໝົດ Total | | 625.26 | | | |

Section 3: Waste Transporter Information

| | |
|-------------------------|------------------------------------------|
| ຊື່ອົງການຈັດຕັ້ງ / Name | ສະຫວັນ ອິຍັມຊີ ຈຳກັດ |
| ທີ່ຕັ້ງ / Address | ຈຸດ A, ເຂດເສດຖະກິດພິເສດ ແຂວງ ສະຫວັນນະເຂດ |
| ໂທລະສັບ / Telephone | 020 55042028 |

Section 4: Waste Disposal Information

| | |
|-------------------------|---------------------------------------------------------|
| ຊື່ອົງການຈັດຕັ້ງ / Name | ສະຫວັນ ອິຍັມຊີ ຈຳກັດ |
| ທີ່ຕັ້ງ / Address | ຈຸດ A, ເຂດເສດຖະກິດພິເສດ ແຂວງ ສະຫວັນນະເຂດ (ສະຖານີວຽງຈັນ) |
| ໂທລະສັບ / Telephone | 020 99157888 |

ການຄວບຄຸມການຂົນສົ່ງສິ່ງເສດເຫຼືອ ໃບຕິດຕາມກວດກາການຂົນສົ່ງສິ່ງເສດເຫຼືອ (MANIFEST)

ເອກະສານທີ່ເຊັນຮ່ວມກັນທັງ 4 ຝ່າຍຄື:

1. ຜູ້ສ້າງສິ່ງເສດເຫຼືອ / Waste Generator (WG)
2. ຜູ້ຂົນສົ່ງສິ່ງເສດເຫຼືອ / Waste Transporter (WT)
3. ຜູ້ບໍາບັດ-ກຳຈັດ / Waste Disposal (WD)
4. ຜູ້ຄວບຄຸມຕິດຕາມ / Waste Regulator (WR)

Section 5: Waste Regulator Information

| | |
|-------------------------|------------------------------------------|
| ຊື່ອົງການຈັດຕັ້ງ / Name | ສະຫວັນ ອິຍັມຊີ ຈຳກັດ |
| ທີ່ຕັ້ງ / Address | ຈຸດ A, ເຂດເສດຖະກິດພິເສດ ແຂວງ ສະຫວັນນະເຂດ |
| ໂທລະສັບ / Telephone | 020 55042028 |

Section 6: Summary and Signatures

| | | | | | | | |
|----------------|--------|---------------|------|--------------|-------|--------------|--------|
| ຂອງແຫຼວ Liquid | 441.06 | ກາກຕົມ Sludge | 0.00 | ຂອງແຂງ Solid | 184.2 | ທັງໝົດ Total | 625.26 |
|----------------|--------|---------------|------|--------------|-------|--------------|--------|


ຊື່ / Name: ສຸນວິໄຈອາຫານ ແລະ ຢາ ລາຍເຊັນ / Signature: [Signature]
ວັນທີ / Date: 13/08/2021

ຊື່ / Name: ສຸນວິໄຈອາຫານ ແລະ ຢາ ລາຍເຊັນ / Signature: [Signature]
ວັນທີ / Date: 13/08/2021

ຊື່ / Name: ສຸນວິໄຈອາຫານ ແລະ ຢາ ລາຍເຊັນ / Signature: [Signature]
ວັນທີ / Date: 13/08/2021


ຊື່ / Name: ສຸນວິໄຈອາຫານ ແລະ ຢາ ລາຍເຊັນ / Signature: [Signature]
ວັນທີ / Date: 13/08/2021

ເອກະສານມີຈຳນວນ 4 ສູດ
1. WG
2. WT
3. WD
4. WR



Uniform Waste Manifest

ໃບຕິດຕາມການຂົນສົ່ງສິ່ງເສດເຫຼືອ



MANIFEST STATUS: **CERTIFIED**

ສະຖານະໃບຕິດຕາມການຂົນສົ່ງ: **CERTIFIED**

ຜູ້ສ້າງສິ່ງເສດເຫຼືອ / WASTE GENERATOR

1. ລາຍລະອຽດຜູ້ສ້າງສິ່ງເສດເຫຼືອ / WASTE GENERATOR INFORMATION

ເລກປະຈຳຕົວຜູ້ຄອບຄອງສິ່ງເສດເຫຼືອ/EMCG ID : **EMCG220410074**

ຊື່ອົງການຈັດຕັ້ງ ພາສາລາວ/ENTERPRISE NAME (LAO): **ເອສຊີລ໌ ລາວ ຈຳກັດ**

ຊື່ອົງການຈັດຕັ້ງ ພາສາອັງກິດ/ENTERPRISE NAME (ENGLISH): **Essilor lao co.,ltd**

ທີ່ຕັ້ງ/ADDRESS: **ເຂດເສດຖະກິດພິເສດ ແຂວງ ສະຫວັນນະເຂດ (ຈຸດ C)**

ເບີໂທລະສັບ/OFFICE TELEPHONE: **041210516**

ອີເມລ/EMAIL: **Bounthap@essilorlao.la**

ລາຍລະອຽດ/MANIFEST DESCRIPTION: **-**


2. Waste Information / ລາຍລະອຽດສິ່ງເສດເຫຼືອ

| ລຳດັບ No | ລະຫັດສິ່ງເສດເຫຼືອ WASTE CODE | ລາຍລະອຽດສະເພາະ WASTE DIScription | ຈຳນວນ QUANTITY | ປະເພດປັບໆ CONTAINER TYPE | ປະລິມານປະມານ APPROXIMATE WEIGHT | ສະຖານະສິ່ງເສດເຫຼືອ TYPE OF WASTE |
|----------|------------------------------|----------------------------------|----------------|--------------------------|---------------------------------|----------------------------------|
| 1 | 11 01 16 | N/A | 1 | ຖົງແກວລອບສະໜາດນ້ອຍ | 14 | ທາດແຫຼວ |
| 2 | 15 01 10 | N/A | 1 | ຖົງແກວລອບສະໜາດນ້ອຍ | 30 | ທາດແຮງ |
| 3 | 15 02 02 | N/A | 1 | ຖົງສະໜາດໃຫຍ່ | 114 | ທາດແຮງ |

ປະລິມານປະມານລວມ
Total Approximate Weight: **158**

ສະຖານະ / STATUS: **COMPLETED**

ຂໍ້ສັ່ງສ້າງສິ່ງເສດເຫຼືອ (WT) ເພື່ອເຮັດການຂົນສົ່ງໄປຫາຜູ້ບໍາບັດ-ກຳຈັດ (WD) ທີ່ໄດ້ລະບຸໄວ້ໃນເອກກະສານສະບັບນີ້ແລ້ວ



ສະຖານະ / STATUS: **COMPLETED**

ຜູ້ຂົນສົ່ງສິ່ງເສດເຫຼືອ / WASTE TRANSPORTER

1. ລາຍລະອຽດຜູ້ຂົນສົ່ງສິ່ງເສດເຫຼືອ / WASTE TRANSPORTER INFORMATION

ເລກປະຈຳຕົວຜູ້ຄອບຄອງສິ່ງເສດເຫຼືອ/EMCT ID : **EMCT220410192**

ຊື່ອົງການຈັດຕັ້ງ ພາສາລາວ/ENTERPRISE NAME (LAO): **ທີເອັມແອລ ອະລີອັນ ລາວ**

ຊື່ອົງການຈັດຕັ້ງ ພາສາອັງກິດ/ENTERPRISE NAME (ENG): **TML Alliance (lao) co.,ltd**

ທີ່ຕັ້ງ/ADDRESS: **No data**

ເບີໂທລະສັບ/OFFICE TELEPHONE: **0209898500**

ອີເມລ/EMAIL: **tml@gmail.com**

1.2 Vehicle Information / ລາຍລະອຽດລົດຂົນສົ່ງ


| ລຳດັບ / ORDER | ປະເພດລົດ / VEHICLE TYPE | ຊື່ນັກຂັບ / DRIVER NAME | ບັບລິດ / LICENSE PLATE | SECURITY SEAL / GPS NUMBER |
|---------------|-------------------------|-------------------------|------------------------|----------------------------|
| 1 | ລົດບັນທຸກ 6 ລໍ້ | ທ້າວ ອຸທິ ສີສິມບູນ | ກຳແພງນະຄອນ ກຫ 5129 | NaN |

ສະຖານະ / STATUS: **WT APPROVED**

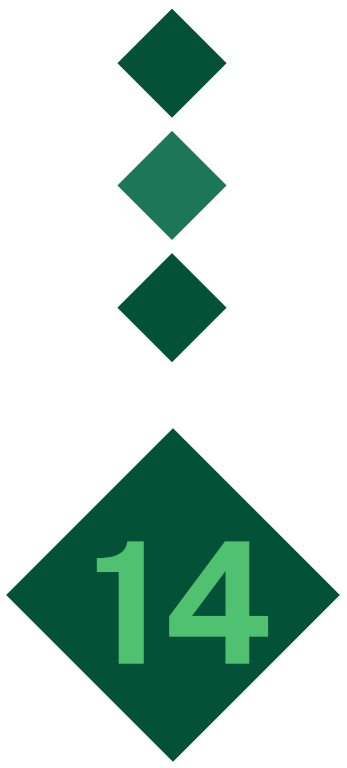
ຊື່: **Inthanongin**

ວັນທີ: **2022-11-21T09:04:52.048993+00:00**

ຂໍ້ສັ່ງສ້າງສິ່ງເສດເຫຼືອ (WG) ເພື່ອເຮັດການຂົນສົ່ງໄປ ໃຫ້ຜູ້ບໍາບັດ-ກຳຈັດ (wd) ທີ່ໄດ້ລະບຸໄວ້ໃນເອກກະສານສະບັບນີ້ແລ້ວ



ສະຖານະ / STATUS: **WT APPROVED**



Industrial waste management

OUR DEAR CUSTOMERS



Environment class activities



- ✓ In order **to reduce plastic**, it is important not only to disposal process but also **to raise awareness**
- ✓ We began teaching environmental classes in Japan in 2010 and use to do so in Laos. And will resume in this term



THANK YOU

Hopefully next time we can meet again



OUR CONTACT

For more information about our services, please contact us at the following address or contact.



+856-20-2342 9919



www.laokayama.la



souksavanh@laokayama.la



Phonekheng village, Xaysettha District, Vientiane Capital

