

Date: 16th May 2018

Ref. No. : RIL/KKD/OHC-BMW/APPCB/2018-05

To

The Environmental Engineer
A. P. Pollution Control Board,
Regional Office,
2-532, Shanthi Nagar,
Ramanayyapet, Kakinada-5

Sub: Biomedical waste Annual returns under Bio-Medical Waste Management Rules, 2016

Ref: BMW Authorization No.: HCE-TLR-02/PCB/RO-KKD/2015-1270 Dt. 30.09.2015

Dear Sir,

In compliance with Bio-Medical Waste Management Rules, 2016, we are herewith furnishing the annual returns pertaining to our Occupational Health Centre, Onshore Terminal, Gadimoga (V), Tallarevu (M), E.G. District, in form IV for the period from 1st Jan 2017 to 31st Dec 2017.

Thanking you,

Yours sincerely
for Reliance Industries Limited


Authorized Signatory



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CONTENTS NOT KNOWN
18/05/2018
A.P. POLLUTION CONTROL BOARD
KAKINADA

CC: Member Secretary-APPCB

Petroleum E & P

Plant : Onshore Terminal Site, Gadimoga Village & Post, Tallarevu Mandal, East Godavari District - 533 463.

Phone : +91-884-2979 100, Fax : +91-884-2977 434.

Vakalapudi Office : Supplybase Complex, C-51 Yard, Plot No. 9, Road No. 8, APIIC, IDA Park, Vakalapudi, Kakinada - 533 005.

Phone : +91-884-2974 101, Fax : +91-884-2974 201.

Form - IV
(See rule 13)
ANNUAL REPORT

[To be submitted to the prescribed authority on or before 30th June every year for the period from January to December of the preceding year, by the occupier of health care facility (HCF) or Common Bio-medical Waste Treatment Facility (CBWTF)]

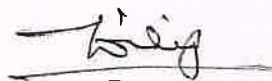
Reporting Period: January 2017 to December 2017

| Sl. No. | Particulars | | |
|--|--|---|---|
| 1. | Particulars of the Occupier : | : | |
| | (i) Name of the authorized person (occupier or operator of facility) | : | Dr.Dilip Pendyala |
| | (ii) Name of HCF or CBMWTF | | Occupational Health Center – KG D6 |
| | (iii) Address for Correspondence | | Onshore Terminal, Infra Area, Reliance Industries Limited, Gadimoga, Tallarevu mandal East Godavari district Andhra Pradesh - 533463 |
| | (iv) Address of Facility | | Occupational Health Center, Onshore Terminal, Infra Area, Reliance Industries Limited, Gadimoga, Tallarevu mandal East Godavari district Andhra Pradesh - 533463 |
| | (v) Tel. No, Fax. No | | 0884-6677070 |
| | (vi) E-mail ID | | Dilip.pendyala@ril.com |
| | (vii) URL of Website | | www.ril.com |
| | (viii) GPS coordinates of HCF or CBMWTF | | 16° 44' 52" N 82° 17' 56" E |
| | ix) Ownership of HCF or CBMWTF | | (State Government or Private or Semi Govt. or any other) |
| | x). Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules | | HCE-TLR-02/PCB/RO-KKD/2015/1270 Dt. 30.09.2015 valid up to 30.09.2018 |
| (xi). Status of Consents under Water Act and Air Act | | Valid up to: Not Applicable (part of Onshore Terminal) | |
| 2. | Type of Health Care Facility | | |
| | (i) Bedded Hospital | | No. of Beds: 10 (Occupational Health Center) |
| | (ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other) | | Not Applicable |
| | (iii) License number and its date of expiry | | Not Applicable |
| 3 | Details of CBMWTF | | |
| | (i) Number healthcare facilities covered by CBMWTF | | Not Applicable |
| | (ii) No of beds covered by CBMWTF | | Not Applicable |
| | (iii) Installed treatment and disposal capacity of CBMWTF | | ___ Kg per day. Not Applicable |
| | (iv) Quantity of biomedical waste treated or disposed by CBMWTF | | ___ Kg per day. Not Applicable |

| | | | | |
|--|---|---|-------------------|--|
| 4. | Quantity of waste generated or disposed in Kg per annum (on monthly average basis) | Yellow Category : 40.40 Kg/Annum | | |
| | | Red Category : 40.70 Kg/Annum | | |
| | | White: 6.33 Kg/Annum | | |
| | | Blue Category : 5.56 Kg/Annum | | |
| | | General Solid waste: Nil | | |
| 5. | Details of the Storage, treatment, transportation, processing and Disposal Facility | | | |
| (i) Details of the on-site storage Facility disposal facilities | Size : Not Applicable | | | |
| | Capacity : Not applicable | | | |
| | Provision of on-site storage : (cold storage or any other provision) Not applicable | | | |
| | Type of treatment equipment | No of Units | Capacity (Kg/day) | Quantity treated or disposed in kg per annum |
| | Incinerators | Not Applicable | | |
| | Plasma Pyrolysis | | | |
| | Autoclaves | | | |
| | Microwave | | | |
| | Hydroclave | | | |
| | Shredder | | | |
| | Needle tip cutter or destroyer | | | |
| Sharps encapsulation or concrete pit | | | | |
| Deep burial pits | | | | |
| Chemical disinfection | | | | |
| Any other treatment equipment | | | | |
| (iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum. | | Not Applicable | | |
| (iv) No of vehicles used for collection and transportation of biomedical waste | | Not Applicable | | |
| (v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum | | Not Applicable | | |
| (vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of | | EVB Technologies R.S. No 560, Kanavaram, Pallakadium Village, Rajanagaram Mandal, East Godavari District. | | |
| (vii) List of member HCF not handed over bio-medical waste. | | Not Applicable | | |
| 6. Do you have bio-medical waste Management committee? If yes, attach minutes of the meetings held during the reporting period | | Yes. The minutes of Bio-medical waste management committee meeting are enclosed. | | |
| 7. Details trainings conducted on BMW | | | | |
| (i) Number of trainings conducted on BMW Management. | | 02 | | |
| (ii) number of personnel trained | | 13 | | |
| (iii) number of personnel trained at the time of induction | | Waste management is part of the general induction which is being given to all the employees. | | |

| | | | |
|-----|---|--|---|
| | (iv) number of personnel not undergone any training so far | | Nil |
| | (v) Whether standard manual for Training is available? | | Specific training on Biomedical waste management is given using the Standard operating procedures |
| | (vi) any other information) | | - |
| 8. | Details of the accident occurred during the year | | |
| | (i) Number of Accidents occurred | | Nil |
| | (ii) Number of the persons affected | | Nil |
| | (iii) Remedial Action taken (Please attach details if any) | | Not Applicable |
| | (iv) Any Fatality occurred, details. | | Nil |
| 9. | Are you meeting the standards of air Pollution from the incinerator? How many times in last year could not met the standards? | | Not Applicable |
| | Details of Continuous online emission monitoring systems installed | | Not Applicable |
| 10. | Liquid waste generated and treatment Methods in place. How many times you have not met the standards in a year? | | Not applicable |
| 11. | Is the disinfection method or sterilization meeting the log 4 Standards? How many times you have not met the standards in a year? | | Not applicable |
| 12. | Any other relevant information | | (Air Pollution Control Devices attached with the Incinerator). Not applicable |

Certified that the above report is for the period from 1st January 2017 to 31st December 2017.



Dr. DILIP PENDYALA
Name and Signature of the Head of the Institution
MBBS, F.C.G.P.A.F.I.H.

Regd.No.16513
Chief Medical Officer
Reliance Industries Ltd.- KGD6
KAKINADA

Date: 16.05.2018

Place: Gadimoga.

| | |
|-----------------------|---|
| Meeting Agenda | Review of BMW management at RIL-Gadimoga OHC |
| Venue | Occupational Health Centre |
| Date | 15.02.2018 |
| Time | 13:00 hrs. – 15:00 hrs. |

| Sr.No | Name of the Attendees |
|--------------|------------------------------|
| 1 | Dr. Dilip Pendyala |
| 2 | Dr. Y J Swaroop |
| 3 | Mr. V Suresh Babu |
| 5 | Mr. L P Narasimha |
| 6 | Ms. Saritha |
| 7 | Mr. Sivakrishna Gude |

Agenda:

1. Introduction on BMW management committee
2. Compliance with Bio Medical Waste Management Rules, 2016
3. Biomedical waste generation & disposal status
4. Immunization of Health staff
5. Training details
6. Bar code system for containers/bags

Minutes of Meeting

| S. No | Item description | Responsibility | Target Date |
|-------|---|-----------------------|-------------------------|
| 1. | Established a site level committee to review and monitor the activities related to bio-medical waste management. | - | For info |
| 2. | The cross functional committee shall meet once in 6 months to review the status | Chief Medical Officer | Every 6 months |
| 3. | Bio-medical waste is segregated into containers or bags at the point of generation in accordance with Schedule I prior to its storage, transportation, treatment and disposal. | - | For info |
| 4. | Discussed about the provision made for a safe, ventilated and secured location for storage of segregated biomedical waste in colored bags or containers in the manner as specified in rules. | - | For info |
| 5. | Reviewed transportation of bio-medical waste from the premises to authorized bio-medical waste treatment facility | - | For info |
| 6. | Discussed about the pretreatment of laboratory waste such as microbiological waste and blood & urine samples through disinfection. | - | For info |
| 7. | 2. No. of Trainings conducted on Biomedical waste management to all the health care workers during the year. | - | For info |
| 8. | All the health care workers involved in handling of bio medical waste are vaccinated against Hepatitis B and Tetanus. | - | For info |
| 9. | As per BMW rules 2016, Non chlorinated bags are being used for collection of Bio medical waste. However, usage of non-chlorinated gloves shall be initiated. | Chief Medical Officer | 15 th Jul'18 |
| 10. | Review occupational safety of health care workers involved in handling of bio-medical waste and adequacy of personal protective equipment. | Chief Medical Officer | 15 th Jul'18 |
| 11. | Bar-Code system for bags and containers containing Bio medical waste shall be initiated. | Chief Medical Officer | 15 th Jul'18 |
| 12. | Display of monthly bio-medical waste record on company's website according to the bio-medical waste generated in terms of category and colour coding as specified in schedule-1 discussed the statistics of Biomedical waste generated. | Chief Medical Officer | 15 th Jul'18 |

Prepared By



Dilip Pendyala