

ગુજરાત પ્રદૂષણ નિયંત્રણ બોર્ડ  
વડી કચેરી, “પર્યાવરણ ભવન”  
ગાંધીનગર

પરિપત્ર

વિષય: Multiple Waste Disposal Mode માટેની Standard Operating Procedure(SOP) - Regarding.

સંદર્ભ: તા ૧૨/૦૫/૨૦૨૧ ના રોજ યોજાયેલ બોર્ડની ૨૫૬ મી બેઠકની કાર્યનોંધ.

જોખમી તથા અન્ય કચરા ( વ્યવસ્થાપન અને સીમાપાર હેરફેર) નિયમો, ૨૦૧૬ મુજબ જોખમી કચરાનું Utilization/ Recycling કરવાનું રહે છે પરંતુ તેમ શક્ય ન હોય તો TSDF/Incineration દ્વારા જોખમી કચરાનો નીકાલ કરવાની કાર્યવાહી કરવાની રહે છે.

Authorized TSDF Site ની ઉપલબ્ધી ન હોવાની પ્રસ્થિતિમાં ઔદ્યોગિક એકમોને જોખમી કચરાના નિકાલ માટે અન્ય TSDF Site ના ઉપયોગની અનિવાર્યતા ઉભી થાય છે આથી ગુજરાત પ્રદૂષણ નિયંત્રણ બોર્ડને જોખમી કચરાના નિકાલ માટે Multiple Waste Disposal Mode માટેની રજૂઆતો મળેલ હતી જે પરત્વે બોર્ડ દ્વારા Multiple Waste Disposal Mode બાબતે SOP બનાવેલ છે જે અંગે બોર્ડની ૨૫૬મી બેઠકમાં અમલીકરણ બાબતે મંજૂરી મળેલ છે.

સદર SOP, આ સાથે અમલીકરણ અર્થે બીડેલ છે.

D. M. Thakkar  
4/6/2021  
(ડી.એમ.ઠાકર)

પર્યાવરણ ઇજનેર

યુનીટ હેડ-હેઝાર્ડસ વેસ્ટ સેલ

નં.જીપીસીબી/એચેઝેડ-જન-૭૧૬/૫૭/૬૭૪ | તા:

04 JUN 2021

બિડાણ: SOP For Multiple Waste Disposal Mode

નકલ રવાના:

(૧). PS to Chairman – આપની જાણ સારૂ.

(૨). Ps to Member Secretary- આપની જાણ સારૂ.

(૩). તમામ યુનિટહેડશ્રી,

(અમદાવાદ (શહેર), અમદાવાદ (પૂર્વ), અમદાવાદ (ગ્રામ્ય), ગાંધીનગર, નડિયાદ, આણંદ, વડોદરા, સુરત, નવસારી, વાપી, રાજકોટ, જૂનાગઢ, મહેસાણા, પોરબંદર, જામનગર, સરીગામ, સુરેન્દ્રનગર, જેતપુર, હિંમતનગર, ભરૂચ, અંકલેશ્વર, ભાવનગર, ગોધરા, પાલનપુર, કચ્છ (પૂર્વ), કચ્છ (પશ્ચિમ), મોરબી)

(૪). તમામ પ્રાદેશિક અધિકારીશ્રી,

(અમદાવાદ (શહેર), અમદાવાદ (પૂર્વ), અમદાવાદ (ગ્રામ્ય), ગાંધીનગર, નડિયાદ, આણંદ, વડોદરા, સુરત, નવસારી, વાપી, રાજકોટ, જૂનાગઢ, મહેસાણા, પોરબંદર, જામનગર, સરીગામ, સુરેન્દ્રનગર, જેતપુર, હિંમતનગર, ભરૂચ, અંકલેશ્વર, ભાવનગર, ગોધરા, પાલનપુર, કચ્છ (પૂર્વ), કચ્છ (પશ્ચિમ), મોરબી)

(૫). યુનિટ હેડ, મહેકમ શાખા - ૨૫૬ મી બોર્ડ બેઠકમાં કાર્યસૂચિ ક્રમાંક -૧૪/૨૦૨૧ અન્વયે આપની જાણ સારું.

(૬). યુનિટ હેડ-IT શાખા - SOP ને XPN માં અપલોડ કરવા સારું.

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XCN

Standard Operating Procedure for Multiple Waste Disposal Mode under Hazardous and Other Wastes (M & TM) Rules, 2016

**1. Introduction:**

Gujarat Pollution Control Board (GPCB) being regulator has vital role in management of Hazardous waste with respect to Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016. The occupier shall be responsible for safe and environmentally sound management of hazardous and other wastes.

Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 has categorically made prioritization of hierarchy of Waste Management which is as under:

- (a) Prevention
- (b) Minimization
- (c) Reuse
- (d) Recycling
- (e) Recovery, utilization including co-processing
- (f) Safe disposal

**2. Need of Multiple Waste Disposal option:**

- a) A need has been arisen to give multiple or more than one mode of disposal in Authorization to ensure the safe & Environment Sound Management of Hazardous Waste according to waste Management hierarchy as prescribed in HWM Rules 2016.
- b) The Hazardous waste Rules clearly emphasis promotion of reuse, recycling, recovery / utilization including co-processing prior safe disposal.
- c) It is envisaged that disposal like TSDF & Incineration should be adopted as last resort, if the waste can't be reuse / recycled / recovered / utilization including co-processing.
- d) *However the procedure laid under Rule-9, other clauses of Rules are required.*
- e) The Board has in the past promoted co-processing of the waste in big way mainly in cement industry.
- f) Cement Industries of States have been given permission for co-processing of waste. The waste is utilized as either raw material or fuel as resources in co-processing.
- g) The waste gypsum which was earlier sent to TSDF is now mainly sent to co-processing & if not suitable, it should go to TSDF for disposal.
- h) Similarly high CV waste such as distillation residue which was going for incineration is now sent for pre-processing / co-processing as fuel.

## Standard Operating Procedure for Multiple Waste Disposal Mode under Hazardous and Other Wastes (M & TM) Rules, 2016

### **3. Procedure for Multiple Waste Disposal Mode:**

Considering above now there is a need to further give impetus to reuse / recycle / co-processing / pre-processing to reduce burden on TSDF & Incineration and for that following SOP is framed for giving multiple disposal mode in authorization. It is allowed through authorization of hazardous waste to manage and dispose hazardous waste for more than one option.

- i) The SOP shall be applicable for all waste management facilities i.e. TSDFs, Incineration, pre-processing, Co-processing industries, Recycling units.
- j) There is a requirement from industry to dispose their landfillable waste at multiple TSDF sites for the various reasons like closure of TSDF, monsoon, accidents, exhausted capacity, economic aspects or any other reasons etc. If industry intends to dispose its landfillable waste to more than one TSDF, industry shall obtain membership of TSDF where it intends to dispose the landfillable waste.
- k) Similarly disposal of waste at more than one facility i.e. common Incineration, preprocessing and cement industry shall be permitted provided industry shall obtain membership of facility / conduct MOU with the actual user.

4. Following shall be the roles and responsibilities for the stake holders for Multiple Waste Disposal Mode:

#### **A. Conditions for the hazardous waste generating industry:**

- 1) Generated waste shall be utilized / disposed as per waste management hierarchy prescribed above.
- 2) Hazardous waste generating industry shall verify authorization of actual user / recycler prior sending hazardous waste for recycling / utilization.
- 3) Any transportation of hazardous waste shall be done through online manifest system only. Any transportation of hazardous waste without online manifest system will be treated as violation.
- 4) Transportation shall be carried out through dedicated GPS mounted vehicle only.
- 5) Record of the Hazardous waste shall be maintained by industry.
- 6) Memorandum of Understanding (MoU) shall be signed between hazardous waste generator and actual user / recycler of the waste.
- 7) CPCB guidelines during hazardous waste transportation shall be complied.
- 8) The hazardous waste generating industry intending to dispose its landfillable waste at more than one TSDF site shall obtain membership of TSDF sites where it intends to dispose.

Standard Operating Procedure for Multiple Waste Disposal Mode under Hazardous and Other Wastes (M & TM) Rules, 2016

**B. Conditions for the hazardous waste receiving facility (recycler / actual user/ TSDF/ Incineration facility/Pre-processing/Co-processing industry) :**

- 1) Recipient industry shall accept manifest online after receiving waste physically and verifying it, so as to make system closed loop.
- 2) Recipient industry shall accept hazardous waste transported by online manifest system and transported through GPS mounted vehicle only.
- 3) Record of the Hazardous waste received & disposed shall be maintained by industry.
- 4) Memorandum of Understanding (MoU) shall be signed between hazardous waste generator and actual user / recycler of the waste.
- 5) TSDF site shall intimate the Board about closure of the TSDF site prior three months.
- 6) TSDF facility shall submit the member's list annually along with quantity of hazardous waste received (district wise) to the Board.
- 7) TSDF facility shall also submit details of members from whom waste is not received since year to the Board separately (Only if member's generating landfill able Hazardous waste more than 10MT)

**5. Checklist prior issuing authorization under Hazardous & Other (M&TM) Rules 2016**

- 1) Multiple mode of disposed shall be given as per waste management hierarchy prescribed above.
- 2) A specific condition shall be mentioned in Authorization that the waste should be disposed to TSDF / Incineration only if it is not suitable for reuse / recycle / co-processing / pre-processing.
- 3) Authorization for disposal of landfillable waste at more than one TSDF shall be issued provided industry has obtained membership of TSDF where the waste is intended to dispose.
- 4) Similarly authorization for disposal of waste at more than one facility i.e. common Incineration, preprocessing and cement industry shall be permitted provided industry shall obtain membership of facility / conduct MOU with the actual user.
- 5) Whenever a unit applies for Authorization of wastes, based on the characteristics & volume of the waste, its management & disposal shall be decided.
- 6) The applications of waste disposal mode shall be disposed promptly. GPCB is encouraging co processing/pre-processing over incineration or landfilling of hazardous waste. So in case if waste is diverted into co processing/pre-processing over landfill or incineration such applications can be processed and disposed on priority.

Standard Operating Procedure for Multiple Waste Disposal Mode under Hazardous and Other Wastes (M &TM) Rules, 2016

- 7) MoU between waste generator industry and actual user shall be required prior issuing permission for preprocessing/co processing/recycle/reuse.
- 8) All Regional Officers and Unit Head shall review the details of Hazardous waste management time to time in their jurisdiction though online manifest system data. Efforts and planning to encourage reuse / recycle / co-processing / pre-processing of waste shall be carried out in their jurisdiction

**6. Action points for Industrial Association:**

- 1) Associations shall make efforts to develop common pre-processing facility & Common Spent Acid Management Project (C-SAMP) in their respective industrial cluster.
- 2) Industries Association should come forward to have a mechanism to divert and channelize the waste generated from small scale industries for co-processing / pre-processing over disposal.
- 3) Industrial associations shall work closely with GPCB for preparing Standard Operating Procedure (SOP) for utilization of Hazardous Waste.

The above criteria shall be complied and considered by all stake holders to ensure management of hazardous waste as per waste management hierarchy prescribed in the rules.

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