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The Gazette of the Democratic Socialist Republic of Sri Lanka  
EXTRAORDINARY

අංක 1534/18 - 2008 පෙබරවාරි 01 වැනි සිකුරාදා - 2008.02.01  
No. 1534/18 - FRIDAY, FEBRUARY 01, 2008

(Published by Authority)

**PART I : SECTION (I) — GENERAL**

**Government Notifications**

L.D.B. 4/81.

**NATIONAL ENVIRONMENTAL ACT, No. 47 OF 1980**

REGULATIONS made by the Minister under Section 32 read with Section 23A and 23 B of the National Environmental Act, No. 47 of 1980.

PATALI CHAMPIKA RANAWAKA,  
Minister of  
Environment and Natural Resources.

Colombo,  
14th January, 2008.

**Regulations**

1. These Regulations may be cited as the National Environmental (Protection and Quality) Regulations, No. 1 of 2008.

**PART I**

**ISSUE OF ENVIRONMENTAL PROTECTION LICENSE FOR EMISSION OR DISPOSAL OF WASTE**

2. No person shall, discharge, deposit or emit waste into the environment or carry on any prescribed activity determined by an Order made under Section 23A of the National Environmental Act, No. 47 of 1980 in circumstances which cause or are likely to cause pollution, or noise pollution, otherwise than –

- (a) under the Authority of a license issued by the Central Environmental Authority (hereinafter referred to as “the Authority”) ; and
- (b) in accordance with the such standards and criteria specified in Schedule I hereto, in respect of the specified industries.

3. Notwithstanding anything contained in regulation 2, the Authority may, by a direction issued under regulation 12, impose more stringent standards and criteria than those specified in Schedule I hereto in respect of any prescribed activity, having regard to the need to protect the receiving environment.

4. Where an activity in respect of which an application for a license is made, is not covered by the standards and criteria specified in Schedule I hereto, the Authority shall examine such application on its merits and grant such application specifying the standards and criteria which shall be applicable. The applicant shall comply with all such directions as may be issued to him by the Authority for the protection of the environment.

5. (1) An application for the license shall be –
- made separately, in respect of prescribed activity regarding which the Acts authorized by the regulations are being carried out ;
  - made substantially in Form A in Schedule II and Schedule IV hereto ;
  - made at least thirty days prior to the commencement of the activity.
- (2) Every applicant shall furnish all such particulars as may be required to be stated in the aforesaid Form A in Schedule II and Schedule IV and any other information that may be called for by the Authority for the purpose of determining whether or not to grant the license.
- (3) Every applicant shall make payment of the license fee specified in Schedule III hereto on intimation by the Authority.

6. Every license issued by the Authority shall be :-

- made substantially in Form B of Schedule II hereto ;
- valid for such period not exceeding three years as specified in the license subject to any suspension or cancellation of the license under Section 23 D of the Act ; and
- renewable.

7. The Authority shall issue the license only if it is satisfied that :-

- the license will not be used to contravene the provisions of the Act or any regulation made there under ;
- no irreversible damage or hazard to any person, environment or any nuisance will result from the acts authorized by the license ;
- the applicant has taken adequate steps for the protection of the environment in accordance with the requirements of the Law.

8. (1) An application for a renewal of a license shall be –

- made at least three months before the date of expiry of the license or one month before effecting any changes, alterations, or extensions to the premises at which the acts authorized by the license are carried out, as the case may be ;
  - made substantially in Form C of Schedule II hereto ;
- (2) Every applicant for a renewal of the license shall furnish all such particulars as may be required to be stated in the aforesaid Form A in Schedule II and Schedule IV and any other information that may be called for by the Authority for the purpose of determining whether or not the license should be renewed.
- (3) Every applicant shall make payment of the license fee specified in the Schedule III hereto for renewal of a license within the period specified by the Authority on receipt of intimation by the Authority.

9. The Authority may, before issuing an order suspending or canceling a license under Section 23 D of the Act, give the holder of the license an opportunity to show cause why such order should not be issued :

Provided that, where, since the issue of the license, the receiving environment has been altered or changed due to natural factors or otherwise or where continued discharge, deposition or emission of waste into the environment under the license affects any beneficial use adversely, the Authority shall forthwith make an order suspending the license for a period to be specified in the order or cancel such license.

10. (1) Any applicant for a license who is aggrieved by the refusal of the Authority to grant a license, or, any holder of a license who is aggrieved by the suspension or cancellation of a license or the refusal to renew a license may, within thirty days after the date of notification of such decision to him, appeal in writing against such refusal, suspension, cancellation or refusal to renew, to the Secretary to the Ministry of the Minister in-charge of the subject of Environment.
- (2) Such applicant shall be given an opportunity of making representations in person or by authorized representative in connection with his appeal.
- (3) The Secretary may set aside, vary or confirm the decision appealed from, and the Authority shall give effect to the Secretary's decision.
- (4) The decision of the Secretary shall be final and conclusive.

11. The holder of a license shall forthwith notify the Authority of –

- (a) any changes made or proposal to be made in the particulars furnished in connection with his application for a license ;
- (b) any decision to terminate any activity to which the license relates,

and shall comply with any directions that may be issued by the Authority to prevent or mitigate environmental pollution and hazards.

12. Every applicant and every holder of a license shall comply with any direction given by or on behalf of the Authority for the purpose of protecting the environment.

13. Every person who acts in contravention of any regulations commits an offence punishable under Section 31 of the Act.

14. Any person who operates a prescribed activity shall obtain a license from the Authority prior to the commencement of such activity.

## PART II

### ISSUE OF LICENSE FOR THE MANAGEMENT OF WASTE

15. No person shall generate collect, transport, store, recover, recycle or dispose waste or establish any site or facility for the disposal of any waste specified in the Schedule VIII (herein after referred to as “scheduled waste”) except under the authority of a license issued by the Authority and in accordance with such standards and other criteria as may be specified by the Authority.

16. Every application for a license under regulation 15 shall be substantially in Form A as set out in Schedule IV of these regulations, and be accompanied by –

- (a) a valid certificate of insurance or any other form of financial security acceptable to the Authority, of such sum as is sufficient to cover the risk or damage that may be caused to the public as a result of any activity referred to in regulation 15 being carried on by the applicant ; and
- (b) such other additional information explanatory of the matters set out in Form A of Schedule IV of this regulation, as the Authority may consider necessary in the interest of the protection of the Environment.

17. Every application for a license under regulation 15 shall be accompanied by a fee calculated on the following basis :-

Generator	Rs. 1000
Collector	Rs. 1000

Storer	Rs.	10,000
Transporter	Rs.	2,000
Recycler	Rs.	5,000
Recoverer	Rs.	5,000
Disposer	Rs.	1,00,000

18. On receipt of an application for a license under regulation 16 and after such risk assessment as the Authority shall deem appropriate, the Authority may issue a license to the applicant.

19. Every license issued by the Authority under regulation 18 shall –

- (a) be substantially in such form as set out in Form B of Schedule IV of this Regulation ;
- (b) be subject to such terms, conditions and standards as may be stipulated in the license in addition to what is specified in the Schedule I hereto ;
- (c) be valid for such period as shall be specified in the license ; and
- (d) on application being made there fore be renewable subject to regulation 25, by the Authority.

20. No person shall continuously engage in the management of scheduled waste with the same physical and chemical characteristics or any aspects thereof, except under a separate license for multiple scheduled waste management operations of the same kind, issued by the Authority in accordance with the provisions of regulation 17 for multiple scheduled waste management operations of the same kind. Such license shall be for a specified period and for a specified quantity of scheduled waste as shall be specified in the license.

21. A license issued under regulation 18, 19 or 20 shall not authorize the mixing of waste, with scheduled waste within the meaning of this Part of these regulations and specified in Part I of these regulations, unless the generator, collector, storer, transporter or person disposing proves to the satisfaction of the Authority that such mixing may reduce the load of pollutants.

22. A license issued under this Part of these regulations shall not be transferable and any transfer made in contravention of these regulations shall render the license issued null and void.

23. A license issued under these regulations to any person shall not be used for the benefit of any other person.

24. Where a person to whom a license has been issued under this Part of these regulations, acts in violation of any of the terms, standards and conditions of the license, the Authority may be order suspend the operation of such license for a period specified in such order, or cancel such license, after granting to the licensee an opportunity to show cause and after recording reasons therefore :

Provided however the Authority shall have power to temporarily suspend the license pending the conclusion of an inquiry under this regulation, where it considers such action urgently required in the public interest.

25. The Authority shall have the power to monitor and inspect activities conducted by a licensee pursuant to any license granted to such person under this part of the regulations.

26. (1) The Authority shall have the power to specify guidelines from time to time, for –

- (a) the establishment of scheduled waste disposal sites ;
- (b) safety measures to be adopted during generation collection, transportation, storage, recovery, recycling or disposal of scheduled wastes ;
- (c) operations regarding recycling or recovery of scheduled waste.

(2) The guideline specified under paragraph (1) shall wherever possible be published in the *Gazette* or shall otherwise be made available to the public.

27. It shall be the duty of every licensee to –

- (a) maintain records substantially in the form set out in the Schedule V of these regulations in respect of collection, transportation, storage, recovery, recycling or disposal of Scheduled waste ;
- (b) send an annual return to the Authority substantially in the form set out in the Schedule VI of these regulations regarding the disposal of Scheduled waste, duly certified by any person authorized for such purposes by the Authority ;
- (c) provide the Authority annually with such information as may be required by the Authority ; and
- (d) record in a register to be maintained by the licensee the quantity, type, quality and origin of Scheduled waste, collected, stored, transported, recovered, recycled and disposed of by him.

28. The register to be maintained under regulation 27 shall be made available by the licensee for inspection at any time by the Authority and it shall be the duty of a licensee to issue a certified copy of any extract of the register so maintained at the request of any member of the public, on the payment of a fee.

29. Any authorized officer of the Authority or a police officer may, for the purpose of ascertaining whether the provisions of these regulations are being complied with-

- (a) enter and inspect any facility or site of generation collection storage, recover, recycling or disposal of scheduled waste ;
- (b) stop and inspect any vehicle in transit, suspected to contain scheduled waste ;
- (c) examine any records maintained under these regulations and take copies of such records ;
- (d) take samples of scheduled waste generated transported, stored, collected, recovered, recycled or disposed of.

30. The Authority shall maintain a record of licences granted under these regulations.

31. Every person involved with the management of scheduled waste shall, in addition to any other signs or symbols required under any other law, display a plainly visible notice in Sinhala, Tamil and English, on the—

- (a) site of generation or storage ;
- (b) vehicle used for transportation ;
- (c) containers or tanks used for collection and storage ; and
- (d) disposal sites whether approved or not,  
the following statement and visual sign — “Warning, contains waste, Dangerous to human, health and the environment”

32. The licence issued under these regulations or a certified copy thereof shall be carried on the vehicle transporting scheduled waste, and shall be produced by the driver of the vehicle for inspection by any police officer or other officer authorized by the Authority.

33. Every generator collector, storer, transporter recycler, recovery and disposer of scheduled waste shall —

- (a) ensure that all its employees are adequately trained in handling scheduled waste and shall report to the authority on a bi-annual basis the steps taken to ensure that its employees are so trained ;
- (b) have a regularly updated emergency action plan approved by the authority ;
- (c) ensure that all employees handling scheduled wastes shall be protected by appropriate clothing and other precautions from the adverse effects of the scheduled waste ; and
- (d) ensure that immediate and adequate medical care is available for employees and the public at all times, including emergency situations.

34. Every generator collector, storer, transporter, recycler, recoverer or disposer, of scheduled waste shall forthwith report to the Authority of any accident that may have occurred during or as a result of the generation, collection, storage, transportation, recycling recovery or disposal of waste substantially in the form set out in Schedule VII hereto.

35. Every person who carries on any activity which generates or produces waste or is in possession or control of scheduled waste or is an importer of waste into Sri Lanka, shall inform the Authority-

- (a) on or before the July 31 and January 31, respectively of each year, the quantity and characteristics of scheduled waste generated or produced or in possession or control of or imported as the case may be, in the previous six months and estimate of the quantity and composition of scheduled waste that might be so generated or produced, or be in possession or control of or be imported as the case may be for the ensuing year, including information of process, modifications and changes in chemical usage ; and
- (b) of the measures adopted to apply technologies for the reduction or elimination of the generation or production or the possession or control of scheduled waste, including method adopted for treatment and final disposal of such waste.

### PART III

#### GENERAL

36. The National Environmental (Protection and Quality) Regulation No. 1 of 1990 published in *Gazette Extraordinary* No. 595/16 of February, 1990 as amended from time to time, are hereby rescinded.

37. (1) Notwithstanding the rescinding of the aforesaid regulation, any act or omission done or made under the said regulation shall be effective and has a force of law unless its is contrary to this regulation.

(2) Every licence issued for the purposes of the aforesaid regulation, after 16th February, 1990 shall be valid and continued as effectual as if issued here under for the purposes of enforcement of the rights and obligations to which such licence applies.

38. For the purpose of this Part of these regulations-

“Act” means the National environmental Act, No. 47 of 1980 ;

“Authority” means the Central Environmental Authority established by the National Environmental Act, No. 47 of 1980 ;

“collection” means the collection including storage for the time being of scheduled waste including those generated in small quantities ;

“disposal” includes any operation which leads to the emission, discharge or deposit of scheduled waste into or upon the environment and further includes other operations such as recycling and recovery ;

“facility” means any location wherein the processes incidental to the generation, collection, storage, recycling, recovery and disposal of scheduled wastes are carried out ;

“generation” means the productions, manufacturing, or creation of scheduled waste from any activity ;

“heavy metals” means the group of elements between and including copper and mercury in the periodic table of the elements having atomic weights between and including 63.546 and 200.590 ;

“management” means the generation collection, storage, transport, recycling, recovery and disposal of scheduled waste, including these generated in small quantities ;

“schedule waste” means any waste specified in Schedule VIII hereto ;

“storage” includes the storing of waste for a minimum reasonable period under conditions which will prevent their release to the environment ;

“transport” means the movement of scheduled waste from the site of generation, importation or storage to any other side including a facility for disposal ;

“waste” means waste as defined in the Act and specified in Scheduled VIII hereto.

SCHEDULE I

TOLERANCE LIMITS FOR THE DISCHARGE OF INDUSTRIAL WASTE IN TO INLAND SURFACE WATERS

No.	Parameter	Unit type of limit	Tolerance Limit values
01.	Total suspended solids	mg/l, max.	50
02.	Particle siz of the total suspended solids	µm, less than	850
03.	pH at ambient temperature	-	6.0 - 8.5
04.	Biochemical oxygen demand (BOD <sub>5</sub> in five days at 20 <sup>o</sup> c or BOD <sub>3</sub> in three days at 27 <sup>o</sup> c)	mg/l, max.	30
05.	Temperature of discharge	°C, max.	Shall no exceed 40 <sup>o</sup> C in any section of the stream within 15 m down stream from the effluent outlet.
06.	Oils and greases	mg/l, max.	10
07.	Phenolic compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l, max.	1
08.	Chemical oxygen demand (COD)	mg/l, max.	250
09.	Colour	Wavelength Range 436 nm (Yellow range) 525 nm (Red range) 620 nm (Blue range)	Maximum spectral absorption coefficient 7m <sup>-1</sup> 5m <sup>-1</sup> 3m <sup>-1</sup>
10.	Dissolved phosphates (as P)	mg/l, max.	5
11.	Total Kjeldahl nitrogen (as N)	mg/l, max.	150
12.	Ammoniacal nitrogen (as N)	mg/l, max.	50
13.	Cyanide (as CN)	mg/l, max.	0.2
14.	Total residual chlorine	mg/l, max.	1.0
15.	Flourides (as F)	mg/l, max.	2.0
16.	Sulphide (as S)	mg/l, max.	2.0
17.	Arsenic (as As)	mg/l, max.	0.2
18.	Cadmium (as Cd)	mg/l, max.	0.1
19.	Chromium, total (as Cr)	mg/l, max.	0.5
20.	Chromium, Hexavalent (as Cr <sup>6+</sup> )	mg/l, max.	0.1
21.	Copper (as Cu)	mg/l, max.	3.0
22.	Iron (as Fe)	mg/l, max.	3.0
23.	Lead (as Pb)	mg/l, max.	0.1
24.	Mercury (as Hg)	mg/l, max.	0.0005
25.	Nickel (as Ni)	mg/l, max.	3.0
26.	Selenium (as Se)	mg/l, max.	0.05

SCHEDULE I (Contd.)

TOLERANCE LIMITS FOR THE DISCHARGE OF INDUSTRIAL WASTE IN TO INLAND SURFACE WATERS

No.	Parameter	Unit type of limit	Tolerance Limit values
27.	Zinc (as Zn)	mg/1, max.	2.0
28.	Pesticides	mg/1, max.	0.005
29.	Detergents/surfactants	mg/1, max.	5
30.	Faecal Coliform	MPN/100 ml, max	40
31.	Radio Active Material :		
	(a) Alpha emitters	micro curie/ml, max	10 <sup>-8</sup>
	(b) Beta emitters	micro curie/ml, max	10 <sup>-7</sup>

Note 1 : All efforts should be made to remove unpleasant odour as far as possible.

Note 2 : These values are based on dilution of effluents by at least 8 volumes of clean receiving water. If the dilution is below 8 times, the permissible limits are multiplied by the 1/8 of the actual dilution.

Note 3 : The above mentioned general standards shall cease to apply with regard to a particular industry when industry specific standards are notified for that industry.

Note 4 : Pesticides as per World Health Organization (WHO) and Food and Agriculture Organization (FAO) requirements.

LIST II

TOLERANCE LIMITS FOR INDUSTRIAL WASTE DISCHARGED ON LAND FOR IRRIGATION PURPOSE

No.	Parameter	Unit type of limit	Tolerance Limit value
1.	Total dissolved solids	mg/1, max.	2100
2.	pH at ambient temperature	-	5.5 - 9.0
3.	Biochemical oxygen demand (BOD <sub>5</sub> in five days at 20 <sup>0</sup> C or BOD <sub>3</sub> in three days at 27 <sup>0</sup> c)	mg/1, max.	250 30
4.	Oils and greases	mg/1, max.	10
5.	Chemical Oxygen Demand (COD)	mg/1, max.	400
6.	Chlorides (as Cl)	mg/1, max.	600
7.	Sulphates (as SO <sub>4</sub> )	mg/1, max.	1000
8.	Boron (as B)	mg/1, max.	2.0
9.	Arsenic (as As)	mg/1, max.	0.2
10.	Cadmium (as Cd)	mg/1, max.	2.0
11.	Chromium , total (as Cr)	mg/1, max.	1.0
12.	Lead (as Pb)	mg/1, max.	1.0
13.	Mercury (as Hg)	mg/1, max.	0.01
14.	Sodium adsorption ratio (SAR)	-	10 - 15
15.	Residual sodium carbonate (RSC)	mol/1, max.	2.5



LIST II (Contd),

TOLERANCE LIMITS FOR INDUSTRIAL WASTE DISCHARGED ON LAND FOR IRRIGATION PURPOSE

No.	Parameter	Unit Type of limit	Tolerance Limit Values
16.	Electrical conductivity	µS/cm. max.	2250
17.	Faecal coliform	MPN/100ml, max.	40
18.	Copper (as Cu)	mg/l, max.	1.0
19.	Cyanide (as CN)	mg/l, max.	0.2
20.	Radio Active Material :		
	(a) Alpha emitters	Micro curie./m1, max.	10 <sup>-9</sup>
	(b) Beta emitters	Micro curie/m1, max.	10 <sup>-8</sup>

Hydraulic Loading Applicable for Different Soils :

Soil Texture Class	Recommended dosage of settled Industrial Effluents (m <sup>3</sup> /hectare, day)
1. Sandy	225 - 280
2. Sandy laom	170 - 225
3. loam	110 - 170
4. Clay loam	55 - 110
5. Clay	35 - 55

LIST III

TOLERANCE LIMITS FOR INDUSTRIAL AND DOMESTIC WASTE DISCHARGED INTO MARINE COASTAL AREAS

No.	Parameter	Unit Type of limit	Tolerance Limit Values
1.	Total suspended solids	mg/l, max.	150
2.	Particle size of -		
	(a) Floatable solids	mm, max.	3
	(b) Settlable solids	µm, max	850
3.	pH at ambient temperature	-	5.5 - 9.0
4.	Biochemical oxygen demand (BOD <sub>5</sub> in five days at 20 °C or BOD <sub>3</sub> in three days at 27 °C)	mg/l, max.	100
5.	Temperature	°C, max	45°C at the point of discharge
6.	Oils and greases	mg/l, max.	20

LIST III (Contd.,)

TOLERANCE LIMITS FOR INDUSTRIAL AND DOMESTIC WASTE DISCHARGED INTO MARINE COASTAL AREAS

No.	Parameter	Unit Type of limit	Tolerance Limit Values
7.	Phenolic compounds (as Phenolic OH)	mg/1, max.	5
8.	Chemical oxygen demand (COD)	mg/1, max.	250
9.	Total residual chlorine	mg/1, max.	1.0
10.	Ammoniacal Nitrogen (as N)	mg/1, max.	50
11.	Cyanide (as CN)	mg/1, max.	0.2
12.	Sulphides (as S)	mg/1, max.	5.0
13.	Fluorides (as F)	mg/1, max.	15
14.	Arsenic (as As)	mg/1, max.	0.2
15.	Cadmium (as Cd)	mg/1, max.	2.0
16.	Chromium, total (as Cr)	mg/1, max.	2.0
17.	Chromium, Hexavalent (as Cr <sup>6+</sup> )	mg/1, max.	1.0
18.	Copper (as Cu)	mg/1, max.	3.0
19.	Lead (as Pb)	mg/1, max.	1.0
20.	Mercury (as Hg)	mg/1, max.	0.01
21.	Nickel (as Ni)	mg/1, max.	5.0
22.	Selenium (as Se)	mg/1, max.	0.1
23.	Zinc (as Zn)	mg/1, max.	5.0
24.	Pesticides	mg/1, max.	0.005
25.	Organo-Phosphorus compounds	mg/1, max.	1.0
26.	Chlorinated hydrocarbons (as C1)	mg/1, max.	0.02
27.	Faecal coliform	MPN/100m1, max.	60
28.	Radio Active Material :		
	(c) Alpha emitters	micro curie/m1, max	10 <sup>-8</sup>
	(d) Beta emitters	micro curie/m1, max	10 <sup>-7</sup>

Note 1 : All efforts should be made to remove unpleasant odour and colour as far as practicable.

Note 2 : These values are based on dilution of effluents by at least 8 volumes of clean receiving water. if the dilution is below 8 times, the permissible limits are multiplied by the 1/8 of the actual dilution.

LIST IV

TOLERANCE LIMITS FOR WASTE FROM RUBBER FACTORIES BEING DISCHARGED INTO INLAND SURFACE WATERS

	Parameters	Units  Type of limit	Tolerance Limit Value	
			Type I* Factories	Type II** Factories
1	pH value at ambient temperature	-	6.5 to 8.5	6.5 to 8.5
2	Total suspended solids	mg/l, max.	100	100
3	Total Solids	mg/l, max.	1500	1000
4	Biochemical Oxygen Demand, BOD <sub>5</sub> in five days at 20°C or BOD <sub>3</sub> in three days at 27°C	mg/l, max.	60	50
5	Chemical Oxygen Demand (COD)	mg/l, max.	400	400
6	Total Nitrogen (as N)	mg/l, max.	300	60
7	Ammonical Nitrogen (as N)	mg/l, max.	300	40
8	Sulphides (as S)	mg/l, max.	2.0	2.0

- \* *Type I Factories* – Latex Concentrate
- \*\* *Type II Factories* – Standard Lanka Rubber ;  
Crepe Rubber and Ribbed Smoked Sheets

*Note 1 :* All efforts should be made to remove unpleasant odour and colour as far as practicable.

*Note 2 :* These values are based on dilution of effluents by at least 8 volumes of clean receiving water. If the dilution is below 8 times, the permissible limits are multiplied by the 1/8 of the actual dilution.

LIST V

TOLERANCE LIMITS FOR WASTE FROM TEXTILE INDUSTRY BEING DISCHARGED INTO INLAND SURFACE WATERS

No.	Parameter	Unit type of limit	Tolerance Limit values
01.	pH at ambient temperature		6.5 to 8.5
02.	Temperature	°C, max.	40 measured at site of sampling
03	Total suspended solids	mg/l, max.	50
04	Biochemical Oxygen Demand BOD <sub>5</sub> in five days at 20°C or BOD <sub>3</sub> in a three days at 27°C	mg/l, max.	60
05	Colour	<b>Wavelength Range</b> 436 nm (Yellow range) 525 nm (Red range) 620 nm (Blue range)	<b>Maximum spectral Absorption coefficient</b> 7m <sup>-1</sup> 5m <sup>-1</sup> 3m <sup>-1</sup>
06.	Oils and grease	mg/l, max.	10
07.	Phenolic compounds (as Phenolic OH)	mg/l, max.	1.0
08.	Chemical Oxygen Demand (COD)	mg/l, max.	250
09.	Sulphides (as S)	mg/l, max.	2.0

LIST V (Contd).,

TOLERANCE LIMITS FOR WASTE FROM TEXTILE INDUSTRY BEING DISCHARGED INTO INLAND SURFACE WATERS

No.	Parameter	Unit type of limit	Tolerance Limit values
10.	Chromium total (as Cr)	mg/l, max.	2.0
11.	Hexavalent Chromium (as Cr <sup>+6</sup> )	mg/l, max.	0.5
12.	Copper, total (as Cu)	mg/l, max.	3.0
13.	Zinc, total (as Zn)	mg/l, max.	5.0
14.	Ammoniacal nitrogen (as N)	mg/l, max.	60
15.	Chloride (as Cl)	mg/l, max.	70

Note 1: All efforts should be made to remove unpleasant odour and colour as far as practicable.

Note 2: These values are based on dilution of effluents by at least 8 volumes of clean receiving water. If the dilution is below 8 times, the permissible limits are multiplied by the 1/8 of the actual dilution.

LIST VI

TOLERANCE LIMITS FOR WASTE FROM BEING DISCHARGED FROM TANNING INDUSTRIES

No.	Parameter	Unit Type of Limit	Tolerance Limit Values for Effluents Discgharged into Inland Surface Waters	Tolerance Limit Values for Effluents Discharged into Marine Coastal Areas
01	pH value at ambient temperature	°C	5.5 - 9.0	5.5 - 9.0
02	Total suspended solids	mg/l, max.	100	150
03	Biochemical Oxygen Demand (BOD <sub>5</sub> in five days at 20°C or BOD <sub>3</sub> in three days at 27°C)	mg/l, max.	60	100
04	Chemical Oxygen Demand (COD)	mg/l, max.	250	300
05	Colour	<b>Wavelength Range</b> 436 nm (Yellow range) 525 nm (Red range) 620 nm (Blue range)	<b>Maximum Absorption coefficient</b>  7m <sup>-1</sup>  5m <sup>-1</sup>  3m <sup>-1</sup>	-  -  -
06	Alkalinity (as Ca CO <sub>3</sub> )	mg/l, max.	750	-
07	Chloride (as Cl)	mg/l, max.	1000	-
08	Hexavalent Chromium (as Cr <sup>+6</sup> )	mg/l, max.	0.5	0.5
09	Chromium total (as Cr)	mg/l, max.	2.0	2.0
10	Oils and Grease	mg/l, max.	10	20
11	Phenolic Compounds (as phenolic OH)	mg/l, max.	1.0	5.0
12	Sulphides (as S)	mg/l, max.	2.0	5.0

Note 1: All efforts should be made to remove unpleasant odour and colour as far as practicable.

Note 2: These values are based on dilution of effluents by at least 8 volumes of clean receiving water. If the dilution is below 8 times, the permissible limits are multiplied by the 1/8 of the actual dilution.

LIST VII

TOLERANCE LIMITS FOR DISCHARGE OF EFFLUENTS INTO PUBLIC SEWERS WITH CENTRAL TREATMENT PLANTS

No.	Parameter	Unit type of limit	Tolerance Limit values
1.	Total suspended solids	mg/l, max.	500
2.	pH at ambient temperature	-	5.5 - 10.0
3.	Temperature	°C, max.	45
4.	Biochemical oxygen demand (BOD <sub>5</sub> in five days at 20°C or BOD <sub>3</sub> in three days at 27°C)	mg/l, max.	350
5.	Chemical Oxygen Demand (COD)	mg/l, max.	850
6.	Total Kjeldahl nitrogen (as N)	mg/l, max.	500
7.	Free ammonia (as N)	mg/l, max.	50
8.	Ammoniacal nitrogen (as N)	mg/l, max.	50
9.	Cyanide (as CN)	mg/l, max.	2
10.	Total residual chlorine	mg/l, max.	3.0
11.	Chlorides (as Cl)	mg/l, max.	900
12.	Flourides (as F)	mg/l, max.	20
13.	Sulphide (as S)	mg/l, max.	5.0
14.	Sulphates (as SO <sub>4</sub> )	mg/l, max.	1000
15.	Arsenic (as As)	mg/l, max.	0.2
16.	Cadmium (as Cd)	mg/l, max.	1.0
17.	Chromium, total (as Cr)	mg/l, max.	2.0
18.	Copper (as Cu)	mg/l, max.	3.0
19.	Lead (as Pb)	mg/l, max.	1.0
20.	Mercury (as Hg)	mg/l, max.	0.005
21.	Nickel (as Ni)	mg/l, max.	3.0
22.	Selenium (as Se)	mg/l, max.	0.05
23.	Zinc (as Zn)	mg/l, max.	5.0
24.	Pesticides	mg/l, max.	0.2
25.	Detergents/surfactants	mg/l, max.	50
26.	Phenolic compounds (as phenolic OH)	mg/l, max.	5
27.	Oil And Grease	mg/l, max.	30
28.	Radio Active Material :		
	(e) Alpha emitters	micro curie/ml, max	10 <sup>-8</sup>
	(f) Beta emitters	micro curie/ml, max	10 <sup>-7</sup>

Notes : The following conditions should be met :

- \* discharge of high viscous material should be prohibited.
- \* Calcium Carbide sludge should not be discharged.
- \* substances producing inflammable vapours should be absent.

SCHEDULE II

APPLICATION FOR A LICENCE FOR THE EMISSION OF WASTE

Form A

(Regulation 5)

National Environmental Act, No. 47 of 1980 (Section 23 A)

FORM OF APPLICATION FOR AN ENVIRONMENTAL PROTECTION LICENCE FOR EMISSION AND DISPOSAL OF WASTE

Application No. : .....

Date : .....

Sector : .....

Category : .....

Name of Industry :

Type of Industry : Manufacture/Assembly/Formulation/Repacking/Processing/other (specify)

Name of Applicant :

Postal Address :

Telephone No. :

*1. General Description of Industry*

1.1 Nature of Industry :

1.2 Location of Industry :

(Location map and a clear route sketch with landmarks to the site to be annexed.)

Address :

1.3 Name of local authority :

1.4 Is the site within an approved Industrial Zone ?

1.5 Amount of Capital Investment :

Local :

Foreign :

1.6 Date of commencement of operation :

1.7 No. of Shifts/Day and Times :

1.8 No. of Workers in Each Shift :

1.9 A List of permits obtained from Local or State Authorities permitting the Establishment and Operation of the Industry.

(Please attach photocopies) :

Name	Date of Issue	Date of Expiry
(a) .....	.....	.....
(b) .....	.....	.....
(c) .....	.....	.....
(d) .....	.....	.....
(e) .....	.....	.....

- 1.10 Land use of the area within 5 km radius - Residential / Commercial / Agricultural / Open Space / Public area / Marshy lands / salt Marshy Land / Mangrove / Natural Reserve / Other (specify) :
- 1.11 List of existing industries / institutions / Agricultural land within 2 km radius :
- 1.12 Land available for treatment plant :

2. Manufacturing Process

- 2.1 List of main manufactured products and capacities :
- 2.2 List of by-products :
- 2.3 Process Details :
  - 2.3.1. A brief description of the processes used (attach process flow diagram) :
  - 2.3.2. Raw materials used :  
(State item wise quantity per day at all stages of manufacture)
  - 2.3.3. Chemical used :
 

Chemical Name	Trade Name	Quantity / Day / (in kg)
  - 2.3.4. Precautionary measures adopted in the transport and handling of any hazardous / toxic / flammable / explosive materials :
  - 2.3.5. Storage facilities for hazardous / toxic / flammable / explosive materials :
  - 2.3.6. Do you have adequate fire fighting equipment ?
  - 2.3.7. If so, details of such equipment :

3. Water

- 3.1 Water - Requirement
  - Processing : m<sup>3</sup> / day
  - Cooling : m<sup>3</sup> / day
  - Washing : m<sup>3</sup> / day
  - Domestic : m<sup>3</sup> / day
- 3.2 Source of Water
  - 1. Public Supply
  - 2. Ground Water (Wells , springs)
  - 3. Surface water (Stream, river)
- 3.3 Total daily discharge : m<sup>3</sup> / day :
- 3.4 Method of discharge : Open Channel / Pipeline / Covered Drains / Other :
- 3.5 Final point of discharge of waste water : Agricultural land / Marshy land / Sewer / Lake / River / Ela / Estuary / Sea / Other
- 3.6 What other specific toxic substances are discharged" (specify nature and concentration -eg., Inorganics and organics including pesticide, Organic Chlorine Compounds, Heavy Metals etc).,

- 3.7 Methods of treatment of Waste Water (Diagrams of Treatment Process to be included);
- 3.8 Methods adopted for recording characteristics of waste water before and after treatment ;
- 3.9 Give details of reuse of water or water recycling, if any ;

4. *Solid Waste*

- 4.1 Type and Nature of Solid Wastes :
- 4.2 Total quantity of solid waste - kg/day :
- 4.3 Methods of disposal of solid wastes - Municipal collection system/Land Fill/ Incineration/Composting/Sold/ Recycle :

5. *Atmospheric Emissions*

Is there emission to the atmosphere : Yes/No - if “Yes” complete the following :

- 5.1 Possible emissions :
  - (a) Oxides of Nitrogen —
  - (b) Oxides of Sulphur—
  - (c) Dust and Soot—
  - (d) Any Other—

- 5.2 No. of Stacks/Chimneys :  
Height :

6. Does your industry cause odour problem.

Source :  
Method of Abatement :

7. *Noise Pollution*

- 7.1 does your industry cause noise pollution : Yes/No
- 7.2 if “Yes”, source :  
Method of abatement :

8. *Energy Requirements*

- 8.1 Total Energy Consumption :
  - (a) In-plant generation :
  - (b) public supply :
- 8.2 Details of Machinery used in the industry and their Horse Power Ratings :
- 8.3 Types of Fuel Used :
  - (a) Purpose :
  - (b) Daily consumption :

9. *Recycling/Reuse*

- 9.1 Possible salvage of any waste material for reuse :  
Specify :



10. Expansion of Industry

Describe your plans for future expansion of the industry, State whether proposed expansion will alter the manufacturing process, raw material, usage and finished products.

I hereby certify that the particulars furnished by me in this application are true and correct. I am aware that if any particulars herein are found to be false or incorrect, my application will be refused and the licence, if issued, will be cancelled.

.....  
Signature of Applicant,

Date.

**Additional Information required from Chemical industries**

Details information on the following has to be provided :

1. A site map extending half a mile beyond the boundaries of the property depicting the facility, the discharge points for effluents, wells, springs and other surface water bodies and drinking water wells.
2. A description of the procedures, structures and equipment used at the facility in relation to (I) and (II) to :
  - (i) Prevent hazards in transport and unloading operations of chemicals :
  - (ii) Prevent undue exposure of personnel to chemicals (protective clothing etc.,)
3. A description of the following –
  - (i) precautions to prevent accidental fires resulting from storage of chemicals ;
  - (ii) available fire fighting equipment ;
  - (iii) training of personnel in fire fighting.
4. A description of storage system for bulk chemicals prior to use in the industrial process.
5. A description of recovery methods of use chemicals , if any.

**For Official Use Only**

Licence Application No.:.....  
Sector ( )  
Category ( )

1. Date of receipt of application :.....
2. Reference Plans, Reports and other documents received :
3. If any additional information was requested, details of such requests :.....
4. If the observation of any other Agency was requested, details of such requests :.....
5. Whether a Licence is granted : Yes/No.
6. If a Licence is granted :
  - (a) No. of the Licence :.....
  - (b) Date of Licence :.....
  - (c) Validity period :.....
  - (d) Date of expiry :.....
  - (e) Conditions attached (if any) :.....
7. Reasons for refusal, if licence is refused :

\_\_\_\_\_  
Designation and Signature of  
the authorized officer.

Date.

**NATIONAL ENVIRONMENTAL ACT, No. 47 OF 1980**

**FORM B**

(Regulation 6)

AN ENVIRONMENTAL PROTECTION LICENCE FOR EMISSION AND DISPOSAL OF WASTE ISSUED UNDER SECTION 23 B

M/s.....of.....situated within the area of authority of the Pradeshiya Sabha/Municipal Council/Urban Council of.....is/are hereby authorized to discharge/deposit waste and/or emit noise/vibrations/air emissions which may arise as a result of the operation of the said industry/process, in accordance with the standards and criteria prescribed by the National Environmental (Protection and Quality) Regulations No. 1 of 2008 and the National Environmental (Noise control) Regulation No. 01 of.....

This licence shall be in force from.....to.....unless it is earlier cancelled or suspended.

This licence is subject to the general terms and conditions stated overleaf AND to the additional terms and conditions stated below.

- 1.
- 2.
- 3.
- 4.

Chairman/Director General/Authorized Officer,  
Central Environmental Authority.

Date :.....

**General Terms and Conditions**

1. The licence shall be valid for such period as may be specified in the license, provided it shall **not** be for more than a period of three years from the date of issue. An application for renewal of the license shall be made at least three months prior to the date of expiry of the license.
2. The holders of the Licence shall permit the Director General or any other officer duly authorized in writing by him at any time to enter the premises in respect of which the Licence is issued to examine and inspect any equipment or industrial plant ; and
  - (a) to take samples of any pollutants that are emitted, discharged or deposited from or by such equipment or industrial plant ;
  - (b) to examine books, records or documents relating to the performance or use of such equipment or industrial plant or relating to the emission, discharge or deposition from such industrial plant ;
  - (c) to take photographs of such equipment or industrial plants as he considers necessary or make copies of any books, records or documents seen in the course of such examination; and
  - (d) to take samples of any fuel, substance or material used, in such trade, industry or process carried on in or on such premises.
3. The holder of the Licence shall comply with any requirement communicated from time to time by the Authority as regards :
  - (a) the use of any techniques or installations in the production/process, handling and storage of goods, material, fuel and waste products with a view to minimizing environmental pollution and hazards ; and
  - (b) any additional technical measures for preventing or mitigating environmental pollution and hazards.

4. The holder of the Licence shall ensure that monitoring of environmental pollution or other acts that the authority considers necessary to protect the environment, including the following are done:
  - (a) measurements, calculation, registration of samples to determine actual level of pollution and risk of exposure ;
  - (b) recording and sorting of data and reporting to the Authority ;
  - (c) issuing written instructions to persons employed with regard to handling of hazardous material and installations to protect the environment ;
  - (d) assigning duties and responsibilities to management and staff with regard to protection of the environment ; and
  - (e) ensuring that persons referred to in (c)above, and charged with duties and responsibilities referred to in (d) above are properly qualified persons.
5. This Licence is avlid only for the type and nature of the industry/process/operation as stated in the preliminary application and to the information submitted by the Licencee.
6. Any alteration or extension made to the industry, process or operation should be indicated forthwith to the Authority.

Chairman/Director General/Authorized Officer,  
 Central Environmental Authority.

Date :.....

**Form C**

(Regulation 6)

APPLICAITON FOR RENEWAL OF ENVIRONMENTAL PROTECTION LICENCE FOR EMMISION AND DISPOSAL OF WASTE

Application No. : .....  
 Date : .....

Sector : .....  
 Category : .....

1. Name and location of Industry :
2. Name and address of applicant :
3. Previous Licence No :
  - 3.1 Issued on .....
  - 3.2 Valid until.....
4. Any changes/alterations/expansions of the industry since last licence was issued –  
 (give details) :
5. State if manufacturing process/raw material usage/finished products have been altered in any way.
6. Details of monitoring reports submitted to the Central Environmental Authority during the year :
7. Any other additional information :

I hereby certify that the particulars furnished by me in this application are true and correct. I am aware that if any particulars herein are found to be false or incorrect, my application will be refused and the licence if issued will be cancelled.

.....  
 Signature of Applicant.

Date :.....

**For Office use only**

1. Was licence renewed – Yes/No
2. If renewed  
No. of licence .....
- Date of licence .....
- Validity period .....
- Date of expiry .....
- Conditions attached (if any)
3. If renewal of licence is refused reasons for refusal :

.....  
Signature and Designation of  
Authorized Officer.

Date :.....

**SCHEDULE III**

**LICENSING FEE**

The Licence fee and the Renewal fee for each of the activities specified in Part “A” of the Order made under Section 23 and published in *Gazette* No. 1533/16 dated 25<sup>th</sup> January, 2008, shall be levied by the authority on the following basis :-

One year or less — Rs. 7,500/-

The Licence Fee and the renewal fee for each of the activities specified in the Part “B” of the order made under Section 23 and published in *Gazette* No. 1533/16 dated 25<sup>th</sup> January, 2008, shall be levied by the authority on the following basis :-

For three years or less — Rs. 6,000/-

The Licence Fee and the renewal fee for each of the activities specified in the Part “C” of the order made under Section 23 and published in *Gazette* No. 1533/16 dated 25<sup>th</sup> January, 2008, shall be levied by the authority on the following basis :-

For three yeas or less — Rs. 4,000/-

**SCHEDULE IV**

**Form A**

(Registration 16(b))

**National Environmental Act, No. 47 of 1980 (Section 23A)**

FORM OF APPLICATION FOR A LICENCE FOR SCHEDULED WASTE MANAGEMENT

Application No.:.....

Date:.....

Sector : \_\_\_\_\_

Category : \_\_\_\_\_

01. Name of the facility/activity :
02. Location/address :
03. Telephone No. :
04. Local Authority area :
05. District :
06. Province :
07. Name of the Officer to be contacted in an emergency:
08. Contact details:
  - Mobile phone :
  - Tel.:
  - Fax :
  - E-mail:
  - Address :
09. Authorization required for (Please tick appropriate activity/activities)
  - (a) generation ( )
  - (b) Collection ( )
  - (c) Transportation ( )
  - (d) Storage ( )
  - (e) Recovery ( )
  - (f) Recycling ( )
  - (g) Disposal ( )

( ) Permit for one operation ( ) Permit for multiple operations .....
10. Full Name of the Applicant/Industry :
11. Contact details
  - Address :
  - Tel. No. :
  - Fax No.:
12. In case of renewal of licence, previous licence number and date :.....  
 .....  
 .....
13. Qualifications to engage in the activity covered by the permit: .....  
 .....  
 .....
14. Insurance cover details: .....  
 .....  
 .....
15. Arrangements for security and emergency procedures : .....  
 .....
16. Information on accidents as a result of the management of waste : .....  
 .....
17. Health and safety measures adopted for the workers and the public: .....  
 .....
18. Important Environmental features of the surrounding areas of the site (Please attach a map of the area 2.5km. radius with the site at the centre indicating there in water bodies and important human activities sensitive features): .....  
 .....

- 19. Waste category/categories identified as per the Scheduled VII : .....
- 20. Quality and quantity waste handled: .....
- 21. Details of the operation system for carrying out the activity/activities: .....
- 22. If application is for the establishment of a disposal site, location description and other details: .....

**To be filled by Collector**

- 23. Site/s of Collection (Names and address/es): .....
- 24. Proposed dates or frequency of collection : .....
- 25. Estimated quantity to be collected: .....
- 26. Type of packaging envisaged (Eg. bulk, drummed, tanker etc.) and method of collection): .....

**To be filled by transporter**

- 27. Mode of transportation to be used : .....
- Class/Type of vehicle : .....
- Registered number/s: .....
- Number of vehicles : .....
- 28. Details of Routes (include road maps) times and dates : .....
- 29. What are the emergency measures adopted (including notice of warning to the public) and what are the precautions taken to prevent accidents: : .....

**To be filled by Storer**

- 30. Location and extent of the storage site : .....
- 31. Type of packaging envisaged (bulk, drummed, tanker, concrete blocks etc.) for storing: .....
- 32. Period of time waste will be stored : .....
- 33. Information relating to recycling/recovery of final disposal of the waste: .....
- 34. What are the emergency measures adopted (including posting of warning to public and what are the precautions taken to prevent accidents: : .....

**To be filled by recycler/recoverer:**

- 35. Location of the recycling/recovery facility : .....
- 36. Method used in the recycling/recovery process : .....
- 37. Purpose of recycling/recovery and the market availability for the end product : .....
- 38. Emergency measures adopted in the event of an accident : .....

**To be filled by Disposer :**

- 39. Location of the site for Disposal : .....
- 40. Method of Disposal : .....
- 41. Description of the treatment process : .....
- 42. Emergency measures adopted at the site in the even of an accident : .....
- 43. Information on the after care of the disposal site : .....

\_\_\_\_\_  
 Signature of the Applicant.

Date : \_\_\_\_\_

**FORM B  
 Form of Licence**

(Regulation 19(a))

**National Environmental Act No. 47 of 1980**

**LICENCE FOR OPERATING A FACILITY FOR SCHEDULED WASTE MANAGEMENT**

Licence Number : .....

Date of issue : .....

M/s ..... of..... is hereby authorized to operate a facility for generation, collection, storage, recovery, recycle or disposal of the waste more fully described in the Schedule hereto, on the premises situated at .....and/or to transport the same from ..... to ..... along the route, time and date set out in the Schedule.

This licence shall be in force from .....to ..... unless it is earlier cancelled or suspended.

This licence is subject to the general terms and conditions stated overleaf and to the terms conditions stated below and to such terms as may be specified in the regulations or guidelines for the time being in force under the National Environmental Act, No. 47 of 1980 as amended by Act No. 56 of 1988.

*Other Terms and Conditions:*

- 1.
- 2.
- 3.
- 4.

\_\_\_\_\_  
 Chairman/Director General,  
 Central Environmental Authority.

Date : \_\_\_\_\_

(DESCRIPTION OF THE QUANTITY AND TYPES, ETC., OF WASTE)

*General Terms and Conditions:*

1. Licence shall be in accordance with the provisions of National Environment Act, No. 47 of 1980.
2. The licence or its renewal shall be produced for inspection at the request of an officer authorized by the Central Environmental Authority or any delegate. The Licence shall be displayed in a place accessible to public.
3. The license shall not rent, lend sell, transfer or otherwise transport the waste without obtaining prior permission of the Central Environmental Authority.
4. Any unauthorized change in personnel, equipment, process and working conditions as mentioned in the application by the licensee shall constitute breach of this authorization.
5. It is the duty of the authorized person to take prior permission of the Central Environmental Authority to close down the facility.
6. An application for the renewal of a licence shall be made as laid down in regulation 16 of the National Environmental (Protection and Quantity) regulation No.1 of 1990.
7. This licence shall not be transferred unless under the authorization of the Central Environmental Authority.
8. Any accident which occurs during the management of wastes must be immediately reported to the Central Environmental Authority by the Licensee.

*Other terms and Contitions:*

- 1.
- 2.
- 3.
- 4.

.....,  
 Chairman/Director General,  
 Central Environmental Authority.

Date:\_\_\_\_\_.

SCHEDULE V

[Regulation 27]

**(Format for maintaining records of waste at the facility)**

1. Name and address of the occupier or operator at the facility :
2. Date of issuance of licence and its reference number :
3. Description of waste :  
 Physical form with description Chemical form Total volume and weight (in kg):
4. Description of Storage and treatment of waste:

<i>Date</i>	<i>Waste Code</i>	<i>Amount</i>	<i>Method of Storage of waste</i>	<i>Date</i>	<i>Amount</i>	<i>Method of treatment of waste</i>
-------------	-------------------	---------------	-----------------------------------	-------------	---------------	-------------------------------------

5. Details of transportation of waste:

<i>Waste Code</i>	<i>Amount</i>	<i>Name &amp; Address of the consignee of the package</i>	<i>Mode of packing of the waste for transportation and amount</i>	<i>Mode and route of transportation to site disposal</i>	<i>Date and Time of transportation</i>





Name and address of the Head of facility.

Certificate by authorized person

This is to certify that I have examined the above return, and have satisfied myself of the accuracy of the facts stated there in by physical examination and scientific tests as are necessary for such purpose.

.....,  
Authorized Person.

Date : \_\_\_\_\_.

#### SCHEDULE VII

[Regulation 36]

#### (Form for reporting accidents)

1. The date and time of the accident :
2. Location :
3. Sequence of events leading to accident :
4. The waste involved in the facility :
5. The data for assessing the effects of the accidents on health or the environment:
6. The emergency measures taken :
7. The steps taken to alleviate the effects of accident :
8. The steps taken to prevent the recurrence of such an accident :
9. Names, address and next of kin of persons affected by the accident :
10. Step taken to pay compensation to victims of the accident together with insurance claiming and settlements:

#### SCHEDULE VIII

#### List of Scheduled Wastes

Waste Code	Scheduled Waste
------------	-----------------

#### PART I - SCHEDULED WASTES FROM NON-SPECIFIC SOURCES

##### 1. Mineral Oil and Oil-Contaminated Wastes

- |      |  |
|------|--|
| N011 | Spent oil or grease used for lubricating industrial machines   |
| N012 | Spent hydraulic oil from machines, including plastic injection moulding machines, turbines and die-casting machines. |
| N013 | Spent oil-water emulsion used as coolants  |
| N014 | Oil tanker sludges   |
| N015 | Oil-water mixture such as ballast water  |
| N016 | Sludge from oil storage tank   |

##### 2. Waste containing polychlorinated biphenyls (PCBs) or polychlorinated triphenyls (PCTs)

- |      |  |
|------|--|
| N021 | Spent oil contaminated with PCB and/or PCTs                                    |
| N022 | Electrical equipment or parts containing or contaminated with PCBs and/or PCTs |
| N023 | Retrofilled transformer contaminated with PCBs and/or PCTs                     |
| N024 | Containers and all waste materials contaminated with PCBs and/or PCTs          |

##### 3. Spent organic solvents containing halogen or sulphur, including methylene chloride, 1, 1, 1,-trichloroethane, perchloroethylene and dimethyl sulphide

- |      |   |
|------|---|
| N031 | Spent halogenated solvents from cleaning and degreasing processes |
|------|---|

4. Spent aromatic organic solvents not containing compounds of organic halogen or sulphur, including toluene, xylene, turpentine and kerosene.  
N041 Spent aromatic organic solvents from washing, cleaning, or degreasing processes
5. Spent non-aromatic organic solvents without containing compounds of organic halogen or sulphur, including acetone, ketones, alcohols, cleaning-benzene, and dimethyl formamide  
N051 Spent non-aromatic organic solvents from washing, cleaning or degreasing processes
6. Residues from recovery of halogenated solvents, may contain oil, fat and solvents  
N061 Residues from recovery of halogenated solvents
7. Residues from recovery of non-halogenated solvents, may contain oil, fat and solvents  
N071 Residues from recovery of non-halogenated solvents
8. Spent organometallic compounds may be mixed with benzene excluding mercury compounds  
N081 Residues of organometallic compounds, including tetraethyl lead, tetramethyl lead and organotin compounds from mixing process of anti-knock compound with gasoline
9. Flux wastes, may contain mixture of organic acids, solvents of compounds of ammonium chloride  
N091 Flux wastes from fluxing bath of metal treatment processes
10. Spent aqueous alkaline solutions not containing cyanide, may contain heavy metals  
N101 Spent aqueous alkaline solutions from treatment process of metal or plastic surfaces  
N102 Spent aqueous alkaline solutions from bleaching process of textile materials
11. Spent aqueous alkaline solutions containing cyanide, may contain heavy metals  
N111 Spent aqueous alkaline solution containing cyanide from treatment process of metal or plastic surfaces
12. Spent aqueous chromic acid solutions  
N121 Spent aqueous chromic acid solutions from treatment process of metal or plastic surfaces  
N122 Spent aqueous chromic acid solution from leather tannery processes
13. Spent aqueous inorganic acid solutions other than spent chromic acid solutions, may contain heavy metals  
N131 Spent aqueous acid solutions from treatment process of metal or plastic surfaces  
N132 Spent aqueous inorganic acid solutions from industrial equipment cleaning
14. Spent aqueous or discarded photographic waste from film processing or plates making  
N141 Spent aqueous or discarded photographic waste from film processing or plate making
15. Metal hydroxide sludges containing one or several metals, including chromium, copper, nickel, zinc, lead, cadmium, aluminium and tin  
N151 Metal hydroxide sludges from wastewater treatment system
16. Plating bath sludges containing cyanide  
N161 Plating bath sludges containing cyanide from metal finishing processes
17. Spent salt containing cyanide  
N171 Spent salt containing cyanide from heat treating process
18. Sludges of inks, paints, dyes, pigments, lacquer with or without organic solvent  
N181 Paint sludges from solvent recovery of solvent-based paint waste  
N182 Ink sludges from solvent recovery of solvent-based ink waste  
N183 Lacquer sludges from solvent recovery of solvent-based lacquer waste

- N 184 Paint sludges from paint wastewater treatment system  
N 185 Ink sludges from ink wastewater treatment system  
N 186 Pigment sludges from pigment wastewater treatment system  
N 187 Dye sludges from dye wastewater treatment system
19. Wastes from the production, formulation and use of printing ink, paint, pigment, lacquer or varnish containing organic solvents  
N 191 Discarded or off-specification ink, pigment and paint products
20. sludges, dust, slag, dross and ashes, may contain oxides or sulphate or one of several metals, including lead, cadmium, copper zinc, chromium, nickel, iron, vanadium, and aluminium  
N 201 Dross, slag, ash, dust from metal smelting process or dust emission control system  
N 202 Dross from soldering process  
N 203 Residues from recovery of acid pickling liquor  
N 204 Hydroxide or sulphate sludges from wastewater treatment system
21. spent or discarded strong acids or alkalis  
N 211 Spent or discarded acid of pH less or equal to 2  
N 212 Spent or discarded alkali of pH greater or equal to 12.5
22. Spent oxidizing agents  
N 221 Spent oxidizing agent
23. Contaminated soil, water, debris or matter resulting from clean-up of a spill or chemical or scheduled waste  
N 231 Contaminated soil, water debris or matter resulting from cleanup of a spill or chemical or scheduled waste
24. Immobilized scheduled wastes, including chemically fixed or encapsulated sludges  
N 241 Immobilized scheduled wastes
25. Discarded drugs except living vaccines and euphoric compounds  
N 251 Discarded drugs except living vaccines and euphoric compounds
26. Pathogenic and clinical wastes and quarantined materials  
N 261 Pathogenic and clinical wastes and quarantined materials
27. Containers and bags containing hazardous residues and material  
N 271 Used containers or bags contaminated with scheduled waste and residues.
28. Mixtures of scheduled wastes  
N 281 A mixture of scheduled wastes  
N 282 A mixture of scheduled and non-scheduled wastes
29. Mercury wastes containing metallic mercury, organic and inorganic mercury compounds  
N 291 Discarded, Used, fused, broken and off specified fluorescent lamps/bulbs
30. Waste Electrical and Electronic Equipments  
N 301 Discarded Computers and accessories  
N 302 Discarded Mobile phones.

PART II - SCHEDULED WASTES FROM SPECIFIC SOURCES

1. Mineral Oil and Oil-Contaminated Wastes

- S011 Waste oil or oily sludge from waste water treatment plant of oil refinery or crude oil terminal
- S012 Oily residue from automotive workshop or service station oil grease interceptor
- S013 Oil contaminated earth from re-refining of used lubricating oil
- S014 Oil or sludge from oil refinery maintenance operation.

2. Tar or tarry residues from oil refinery petrochemical plant

- S021 Tar or tarry residues from oil refinery or petrochemical plant

3. Waste of printing inks, paints, dyes, pigments, lacquer, varnish or wood preservative containing organic solvents

- S031 Ink waste from washing of reaction tank or container of ink manufacturing plant.
- S032 Paint waste from washing of reaction tank or container of paint manufacturing plant
- S033 Dyes waste from washing or reaction tank or container of dyes manufacturing plant
- S034 Pigment waste from washing of reaction tank or container of pigment manufacturing plant.
- S035 lacquer or varnish Pigment waste from washing of reaction tank or container of lacquer or varnish manufacturing plant.

4. Clinker, slag and ashes from scheduled wastes incinerator

- S041 Clinker, slag and ashes from scheduled wastes incinerator

5. Waste or printing inks, paints, dyes, pigments, lacquer without containing solvents

- S051 Water based Paint waste from the washing of reaction tank or container of paint manufacturing plant.
- S052 Water based Ink waste from the washing of reaction tank or container of ink manufacturing plant.
- S053 Water based dye and pigment waste from the washing of reaction tank or container of dye and pigment manufacturing plant.
- S054 Ink waste from the washing of cleaning of printing machine of printing works.
- S055 Pigment waste from brick and tile works
- S056 Paint waste from the paint spraying of dipping process of metal works, motor vehicle assembly plant or electrical appliances manufacturing plant.

6. Spent tars or anti-corrosion oils

- S061 Anti-corrosion oils or tar residues from the sealing or spraying or casting processes of motor vehicle assembly plant or automotive workshop.

7. Spent ethylene glycol

- S071 Contaminated ethylene glycol from gas processing plant.
- S072 Unhardened ethylene glycol from polyester manufacturing plant

8. Waste containing phenol or formaldehyde

- S081 Phenol or formaldehyde waste from the washing or reaction or mixing tank of adhesive or glue or resin manufacturing plant
- S082 Sludges containing phenol or formaldehyde waste from the Waste water treatment system of adhesive or glue or resin manufacturing plant

9. Residues of isocyanate compounds, excluding solid polymeric materials.

- S091 Residues of isocyanate compounds from foam manufacturing process.

10. Adhesive or glue waste may contain organic solvents, excluding solid polymeric materials
  - S 101 Off-specification adhesive or glue products from adhesive or glue manufacturing plant
  - S 102 Effluent from the washing of the reaction or processing tank of adhesive or glue manufacturing plant.
  
11. Uncured resin waste, may contain organic solvents or heavy metals including epoxy resin phenolic resin
  - S 111 Uncured resin residues form electronic or semiconductor, electrical appliances, fibreglass manufacturing plants and metal works.
  - S 112 Effluents from washing of reactor of resin manufacturing plant
  - S 113 Resin sludge from waste water treatment system of resin manufacturing plant
  
12. Latex effluent, rubber or latex Sludges containing organic solvents or heavy metals
  - S 121 Rubber or latex sludges containing heavy metals from the waste water treatment system of rubber products manufacturing plant.
  - S 122 Rubber or latex sludges containing organic solvent from rubber products manufacturing plant.
  - S 123 Latex effluent from rubber products manufacturing plant.
  
13. Sludges from the re-refining of used oil products including oily sludges containing acid or lead compounds.
  - S 131 Acid sludge from the re-refining of used lubricating oil.
  
14. Sludges containing fluoride
  - S 141 Sludges containing fluoride from the waste water treatment system of electronic or semiconductor manufacturing plant.
  
15. Mineral sludges, including calcium hydroxide sludges, phosphating sludges, calcium sulphite sludges and carbonate sludges.
  - S 151 Sludges from phosphating process of motor vehicle assembly, air conditioning, electrical appliances and electronic or semiconductor plants.
  - S 512 Sludges from the waste water treatment system of plant producing ceramic or tiles, industrial gas and bleaching earth containing heavy metals.
  
16. Asbestos waste
  - S 1611 Asbestos sludges from the waste water treatment system of Asbestors/cement products manufacturing plant.
  - S 162 Asbestos dust or loose asbestos fibre wasts from asbestos/cement products manufacturing plant.
  - S 163 Empty bags or sack containing loose asbestos fibres from asbestos/cement products manufacturing plant.
  - S 164 Waste arising from repairing/renovation processes and demolition/construction debris containing asbestos.
  
17. Waste from the production, formulation, repacking, and trade of pesticides ; including herbicides, Insecticide, rodenticides, and fungicides.
  - S 171 Dust from air emission control equipment, or exhaust systems of pesticides production, formulation and repacking plants.
  - S 172 Sludges from wastewater treatment systems of pesticides production, formulation and repacking plants.
  - S 173 Residues from filtering process of intermediate products at pesticides production and formulation plants.
  - S 174 Waste from washing of reaction tank or mixing tank and spillages at pesticide production and formulation plants and spillages at pesticides repacking plants.
  - S 175 Solid residues resulting from stamping process of mosquito coil production plant.
  - S 176 Off-specification and out dated products and contaminated containers from pesticides formulation and repacking plants and trade of pesticides

18. Press cake from pre-treatment of glycerol soap lye  
S 181 Press cake from pre-treatment of glycerol soap lye from detergent or soap or toiletries plants
19. Wastes containing dye  
S 191 Waste water containing dye from textile manufacturing plant.
20. Waste from wood preserving operations using inorganic salts containing copper, chromium as well as arsenic of fluoride compounds or using compound containing chlorinated phenol or creosote  
S201 Waste from wood preserving operations using inorganic salts containing copper, chromium as well as arsenic of fluoride compounds or using compound containing chlorinated phenol or creosote
21. Mercury wastes containing metallic mercury, organic and inorganic mercury compounds  
S 211 Mercury wastes containing metallic mercury from manufacturing of fluorescent lamps  
S 212 Activated carbon waste containing mercury from hydrogen gas purification process.  
S 213 Mercury bearing sludges from brine treatment and Mercury bearing brine purification muds from chlorine production plant.
22. Spent catalysts  
S 221 Spent industrial catalysts from chemical plant manufacturing detergent or soap or toiletries plants.  
S 222 Spent industrial catalysts from petroleum and petro-chemical processes  
S 223 Spent industrial catalysts from sulphuric acid and other inorganic acid manufacturing process
23. Leachate from scheduled waste landfills.  
S 231 Leachate from scheduled waste landfills.
24. Rags, papers plastics or filters contaminated with organic solvents  
S 241 Rags, papers plastics or filters contaminated with paint or ink or organic solvent from motor vehicle assembly plants, metal works, electronic or semiconductor plants and printing or packaging plants.
25. Containers and bags containing hazardous residues  
S251 Used containers or bags contaminated with residues of raw materials and products of pesticide formulation plant
26. Discarded or off specification batteries containing lead, mercury, nickel, cadmium, lithium and Electrolyte from batteries and accumulators.  
S 261 Discarded or off specification batteries from battery manufacturing plant  
S 262 Used or off specified batteries and accumulators
27. Pharmaceutical waste  
S271 Waste water from washing of reaction vessels and floors of Pharmaceutical products manufacturing plant.  
S 272 Sludges containing pharmaceutical material from waste water treatment plants of pharmaceutical manufacturing/ formulation plants
28. Bio Medical and Health Care Waste from Health Care Institution including Medical Laboratories and Research Centres.  
S 281 Infectious health care waste including laboratory cultures; waste from isolation wards ; tissues (swabs), materials or equipment that have been in contact with infected patients ; Human tissues or fluids  
S 282 Sharps including needles and scalpels  
S 283 Biological and Anatomical waste including tissues, organs, body parts, human fetuses and animal carcasses, blood, and body fluids.  
S 284 Outdated and discarded drugs including cytotoxic drugs and chemical reagents  
S 285 Materials and containers contaminated with the above specified waste