

Minutes of 3rd Committee Meeting (2024-25), for By-Products and Hazardous waste categorization**Date** : 27/01/2025**Venue** : MPCB, 4th Floor, Conference Hall, Sion Circle, Sion (E), Mumbai.

Committee Members present for the meeting:

- | | |
|-----------------------------------------------------------|-----------------|
| 1. Dr. Avinash Dhakne, Member Secretary | Chairman |
| 2. Dr. V. M. Motghare, Joint Director (APC) | Member |
| 3. Shri. Shankar Waghmare, Joint Director (WPC) | Member |
| 4. Shri. V. M. Motghare, Assistant Secretary (Tech), MPCB | Member convener |
| 5. Shri. N.N. Gurav, Technical Adviser (CTPR) | Invitee |

At the outset, the request was received from the members Shri. Dr. B. R. Naidu, Ex Zonal Officer, CPCB, Shri. M.P. Patil, Representative of NEERI and Shri. Sujit Dholam, RO (BMW) for leave of absence from attending the meeting was placed before the Committee meeting. The Committee considered the same.

Assistant Secretary (Tech.), MPCB, Member convener of the Committee, welcomed all the members of the Committee and requested Member Secretary, MPCB, Chairman of the committee to permit proceedings of the meeting to start.

Based on the applications made by the industries, the members thereafter deliberated on the agenda items placed before the committee and following decisions were taken.



Agenda Item No. 01

Project Name: M/s. Evonik Catalysts India Private Limited.,

Plot No. F-1/1 & F-1/2, MIDC Phase- I, Dombivali,
Taluka Kalyan, District Thane

(i) **Application unique No.:** MPCB-BY_PRODUCT-0000000049.


(ii) **Environmental Clearance details:** NA.

(iii) **Consent details:** Obtained consent to operate vide Format1.0/CAC/JAN No. MPCBCONSENT-0000119211/CO/2207000109 dated 02/07/2022 valid upto 30/04/2025.

Proposed inclusion of By-product			Industry submission and deliberation	Committee decision
Sr. No.	Name	Qty	Purity	<p>Committee noted that the said application was discussed before 2nd committee meeting of 2024-25 held on 23/08/2024 and after due deliberations, it was decided to defer the case; in the meantime, Regional Officer/Sub-Regional Officer of the respective regions shall visit & verify the manufacturing process of end user industries located in Maharashtra that are using Sodium Aluminates Solution as Raw material in their process and accordingly submit detailed report regarding the use of the same & resubmit the case before next meeting along with report from respective Regional Officer/Sub Regional Officer.</p>
1	Sodium Aluminates Solution	8402 MT/A	12 to 25%	
<p>Industry stated that the proposal was earlier discussed before 2nd committee meeting of 2023-24 held on 30/01/2024 and as per the minutes of the said meeting it was decided to obtain;</p> <ul style="list-style-type: none"> Purity of the by-product including metal analysis with indicating its usability. End use of the by-product followed by the manufacturing process involves thereof. Last month invoices for by product indicating being sold to end consumer with commercial value. Last month's statement of sale of by product to end user. <p>Industry has claimed that by-product Sodium Aluminum Solution is generated in purification of Nickel Aluminum alloy with caustic for mfg. of Raney nickel catalyst.</p>				

[Handwritten signature]
28/11/2025

	<p>Industry has submitted the analysis reports of purity carried out by NABL accredited laboratory is submitted.</p> <p>The application was again discussed before 1st Committee meeting of 2024-2025 held on 20/06/2024 & After due deliberations, it was noted that the expert member of the committee that had raised queries during the meeting held on 30/01/2024 was not present for meeting dated 20/06/2024, hence it was decided to defer the case wrt Sodium Aluminates Solution for next meeting.</p> <p>The application was again discussed before 2nd committee meeting of 2024-25 held on 23/08/2024 & after due deliberations, it was decided to defer the case; in the meantime, Regional Officer/Sub-Regional Officer of the respective regions shall visit & verify the manufacturing process of end user industries located in Maharashtra that are using Sodium Aluminates Solution as Raw material in their process and accordingly submit detailed report regarding the use of the same & resubmit the case before next meeting along with report from respective Regional Officer/Sub-Regional Officer.</p> <p>Industry reported that they are sending Sodium Aluminates Solution partly to end user industries outside Maharashtra & partly to end user industries located in Maharashtra.</p>	<p>Committee noted that, Regional Officer, Kalyan has submitted verification report as per minutes of 2nd committee meeting of 2024-25 held on 23/08/2024 by visiting the end user industry i.e., M/s. Kalpana Chemical Industries located at Plot No. F-1/24, MIDC Badlapur on 26.09.2024 who is engaged in mfg. of Sodium Aluminate and verified the manufacturing process and observed that, Sodium Aluminates Solution is directly being used as raw material in the process without any intermediate treatment.</p> <p>After due deliberations, based on verification report submitted by Regional Officer, it was decided to consider Sodium Aluminates Solution as by-product and can be directly used as raw material for mfg. of Sodium Aluminate subject to following conditions:</p> <p>(i) Industry shall submit undertaking that, sale of the material is only to the end user industries & neither to the traders, nor to industries which involve the Hazardous Waste processor or recycler.</p> <p>(ii) Industry shall maintain record of sale of claimed By-Product and submit quarterly data to MPCB.</p>
--	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



20/11/2025

Agenda Item No. 02


Project Name: **M/s. DMCC Specialty Chemicals Limited.**

105, MIDC Dhatav, Tal. Roha, Dist. Raigad, Maharashtra

- (iv) **Application unique No.:** MPCB-BY_PRODUCT-00000000060.
- (v) **Environmental Clearance details:** Attracts EC & Establishment of unit is prior to 2006.
- (vi) **Consent details:** Obtained consent to operate vide Format 1.0/CC/UAN No. MPCB-CONSENT-0000190331/CR/2403002522, dated 23/03/2023 which is valid up to 28/02/2027.

Proposed inclusion of By-product			Industry submission and deliberation	Committee decision
Sr. No.	Name	Qty	Purity	<p>Dil. Sulphuric acid & Sodium Sulphate: Committee noted that, the proposal was discussed before 2nd Meeting of 2024-25 for By-Product & Hazardous Waste Categorization dtd. 23/08/2024, wherein after due deliberations, Committee decided that for the claimed by products i.e dil. Sulphuric Acid and Sodium Sulphate the CPCB has already formed SOP's and are already published for utilization of these as hazardous waste under Rule 9 as per Hazardous And Other Wastes (M&TM) Rules, 2016; hence, considering this it was decided that Dil. Sulphuric acid &</p>
1	Dil. Sulphuric acid	11600 MT/M	60-70%	
2	Sodium Sulphate	400 MT/M	91.9%	
<p>This proposal was discussed before 2nd Meeting of 2024-25 for By-Product & Hazardous Waste Categorization dtd. 23/08/2024. Committee noted that, for the claimed by products i.e dil. Sulphuric Acid and Sodium Sulphate the CPCB has already formed SOP's and are already published for utilization of these as hazardous waste under Rule 9 as per Hazardous And Other Wastes (M&TM) Rules, 2016. Hence, considering this it was decided that Dil. Sulphuric acid & Sodium Sulphate shall not be considered as By Product and same shall be disposed by sale to Authorized Party having permission under Rule 9 of H&OW Rules/CHWTSDF</p> <p>Now, industry has resubmitted the case stating as below:</p> 				

<p>Sodium Sulphate shall not be considered as By Product and same shall be disposed by sale to Authorized Party having permission under Rule-9 of H&OW (M&TM) Rules/ CHWTSDF.</p> <p>Decision: Committee perused the letter issued by MoEF, Gol dated 06.12.2024 regarding consideration of Spent Sulphuric generated from LABSA & Non-LABSA process as by-product as per provisions of H&OW Rules, 2016, and after due deliberations, it was decided to consider spent dil. Sulphuric Acid generated as by-product subject to following conditions as per said MoEF letter.</p> <p>(i) Spent sulphuric acid should have strength >70%, TOC<200 mg/litre and such other characteristics as specified by CPCB.</p> <p>(ii) Sales to be made only to end users and no sales to be allowed to traders.</p> <p>(iii) Submission of details of end users to whom the spent sulphuric acid is to be supplied and verification of the same by the Board office of the requirement of such end users, especially their capacity to use such spent sulphuric acid purchased.</p>	<ul style="list-style-type: none"> Industry stated that the claimed by-products are as pure as a fresh products and generated from the unit operation of the manufacturing process and not from pollution control equipment. As the claimed by-product does not contain any contamination/ impurity there will not be any generation of other waste due to use of the claimed by-product. Hence, there is no negative impact on the quality where this by-product will be used directly. They have stated that as per definition of "Byproduct", By-product means a material that is not intended to be produced but gets produced in the production process of intended product and is used as such. Dil. Sulphuric acid and Sodium Sulphate are not waste as they further can be used for the purposes of production, transformation or consumption Dil. Sulphuric acid and Sodium Sulphate are material that is not intended to be produced but gets produced in the production process of intended product and can be used as such without any pre-treatment and hence, they are not waste. Above claimed by products are not included in waste specified under column (3) of Schedule I; waste having equal to or more than the concentration limits specified for the constituents in class A and class B of Schedule II or any of the characteristics as specified in class C of Schedule II; and wastes specified in
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

	<p>Part A of Schedule III in respect of import or export of such wastes or the wastes not specified in Part A but exhibit hazardous characteristics specified in Part C of Schedule, hence are not Hazardous waste.</p> <ul style="list-style-type: none"> Industry has produced the copy of letter issued by MoEF, Gov dated 06.12.2024 regarding Consideration of Spent Sulphuric generated from LABSA & Non-LABSA process as by-product as per provisions of H&OW Rules, 2016. Industry stated that, as per said MOEF letter dtd. 06.12.2024, “for it not to be a hazardous waste, it is necessary to demonstrate unequivocally that it has commercial use as such, without any pretreatment”. They stated that their claimed by product ‘Dil. Sulphuric acid’ has commercial value and can be used without any pre-treatment and hence, it is not a hazardous waste. <div style="text-align: right; margin-top: 20px;">  21/1/2025 </div>
<p>(iv) The movement of sulphuric acid from Producer to End User shall be as per H&OW Rules, 2016 and under GPS tracking.</p> <p>(v) Quarterly report of sulphuric acid produced and supplied by a unit to end user supported by GST invoices and e-way bills should be submitted/uploaded through online system to the Board.</p> <p>(vi) Industry (both the generating and using facilities) shall follow environmentally safe handling of material.</p> <p>(vii) Industry shall maintain record of sale of claimed By-Product and submit quarterly data to MPCB.</p> <p>(viii) Industry shall comply with the guidelines wrt utilization of spent sulphuric acid as per letter issued by MoEF &CC, GOI vide dated 03.12.2024.</p> <p>Regarding claimed by-product ‘Sodium Sulphate’, based on the submissions made by the industry that the claimed by-product is as pure as a fresh product and generated from the unit operation of the manufacturing process and not from pollution control equipment. As the claimed by-product does not contain any contamination/</p>	

	<p>impurity there will not be any generation of other waste due to use of the claimed by-product. Hence, there is no negative impact on the quality where this by-product will be used directly.</p> <p>After due deliberations, it was decided to consider 'Sodium Sulphate' as By-Product after obtaining verification report of Regional Officer/Sub Regional Officer of the respective region of the end user industry located wrt the manufacturing process of end user industries that are using the claimed By-product as Raw material as such in their process and accordingly consent may be amended based on the report of respective RO/SRO by imposing following conditions.</p> <p>(i) Industry (both the generating and using facilities) shall follow environmentally safe handling of material.</p> <p>(ii) Industry shall submit undertaking that, sale of the material is only to the end user industries & neither to the traders, nor to industries which involve the Hazardous Waste processor or recycler.</p> <p>(iii) Industry shall maintain record of sale of claimed By-Product and submit quarterly data to MPCB.</p>
--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------




Agenda Item No. 03

Project Name: M/s. DOW CHEMICAL INTERNATIONAL PVT LTD,
(Plot No. T-22(PT), MIDC Industrial Area,
Tal. Panvel, Dist. Raigad - 410208)

- (i) Application unique No.: MPCB-BY_PRODUCT-0000000064.
- (ii) Environmental Clearance details: NA.
- (iii) Consent details: Format1.0/CAC/UAN No. 0000103323/CR/2103001539, dated 24/03/2021 which is valid up to 31/01/2026.

Proposed inclusion of By-product			Industry submission and deliberation	Committee decision
Sr. No.	Name	Qty	Purity	
1	Latex Polymer Cake	2425 MT/A	-	
<p>Industry submission: Industry stated that the application was previously discussed in 2nd Committee meeting of 2022-23 held on 15/12/2022 & it was decided that</p> <ul style="list-style-type: none"> • The By-product Latex Polymer cake which is shown in current consent shall be considered as Hazardous Waste & disposed to the Actual user having permission under Rule 9 of Hazardous & Other Wastes (M & TM) Rules, 2016. • The By-product shown in current consent shall be shifted to Hazardous Waste as category 20.4 by amending the consent. <p>The application was further placed before 1st Committee meeting of 2024-25 held on 20/06/2024, and it was noted that the expert member of the committee that had raised queries during the meeting held on 30/01/2024 was not present for the instant</p>				<p>Committee noted that the said proposal was previously discussed in 2nd Committee meeting of 2022-23 held on 15/12/2022 & it was decided that</p> <ul style="list-style-type: none"> • The By-product Latex Polymer cake which is shown in current consent shall be considered as Hazardous Waste & disposed to the Actual user having permission under Rule 9 of Hazardous & Other Wastes (M & TM) Rules, 2016. • The By-product shown in current consent shall be shifted to Hazardous Waste as category 20.4 by amending the consent.

[Signature]
31/1/2025

meeting, hence after due deliberations, it was decided to defer the case for next meeting.

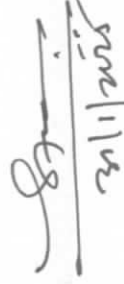
Industry stated that Latex Polymer cake is not generated from any pollution control equipment. And based on Guidelines for Identification of Materials Generated from Industrial processes as waste or by-products – the LPC is clearly the By-product and not the waste.

- The by-product LPC composition doesn't have any hazardous chemical and it is confirmed via analysis report from ICT & IIT.
- ICT report analysis is clearly mentioned the by-product is not hazardous.
- IIT report is also confirmed that – the LPC is non-hazardous in nature

Industry has submitted report of ICT & IIT which mentioned that – Latex Polymer Cake is Non-hazardous in nature.

Industry requested to consider & conclude their application and approve Latex Polymer Cake as Non-hazardous By-product.

Decision:
After due deliberations, Committee decided to refer the case to CPCB for obtaining opinion in the matter.



Agenda Item No. 04

Project Name: M/s. Metallurgical Products (I) Pvt. Ltd
(Plot T-27, MIDC Industrial Area Talaja Tal-Panvel, District- Raigad.

- (iv) Application unique No.: MPCB-BY_PRODUCT- 00000000066.
- (v) Environmental Clearance details: NA.
- (vi) Consent details: Format1.0/AS(T)/UAN No. 0000114973/CR-2109000389, dated 13/09/2021 which is valid up to 31/07/2026.

Proposed inclusion of By-product			Industry submission and deliberation	Committee decision
Sr. No.	Name	Qty	Purity	
1	Sodium Fluoride	2000 Kg/D	96%	<p>Sodium Fluoride (NaF), Calcium Fluoride – CaF2 & Calcium Sulphate – CaSO4: They are generated during mfg. of Tantalum Pentoxide Or Ferro Tantalum Or Potassium Fluoro Tantalate and Niobium Pentoxide Or Niobium Metal (ATR) Or Ferro Niobium. They are mentioned as by-product in the previous Consent to Operate dated-18/10/2017. Not falling under Guidelines for Identification of Materials Generated from Industrial Processes as Wastes or By-products [Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. The process of production is not listed in the projects or activities which require Environment Clearance (EC) under the EIA Notification 2006, so does not require EC.</p> <p>Deliberations: Industry stated that the proposal was discussed before 1st Meeting of 2024-25 for By-Product & Hazardous Waste Categorization. Dtd., 20/06/2024 & it was decided to defer this claimed By-Products for next meeting, meanwhile</p> <p style="text-align: right;"><i>[Signature]</i> 20/11/2025</p>
2	Calcium Fluoride	12000 Kg/D	95%	
3	Calcium Sulphate	8000 Kg/D	96%	

industry shall carry out & submit detailed analysis report from IIT/NEERI/NCL showing concentration level of organic impurities along with;

- Purity of the by-product with indicating its usability.
- End use of the by-product followed by the manufacturing process involves thereof.
- Last month invoices for by product indicating being sold to end consumer with commercial value.
- Last month's statement of sale of by product to end user.

Further industry stated that, the case was discussed in the 2nd Meeting of 2024-25 for By-Product & Hazardous Waste Categorization. Dtd. 23/08/2024. Committee noted that it is a Metallurgical industry engaged in extraction of rare metals Tantalum and Niobium from Ore. Also, noted from the manufacturing process, Tantalum & Niobium compound are separated by solvent extraction process in acidic media where H₂SO₄ is generated, which further converted to Calcium Sulphate by using Calcium Hydroxide. Further, separated Tantalum & Niobium compounds are reacted with Ammonium Hydroxide to mfg Tantalum Pentoxide & Niobium Pentoxide & in this process Ammonium Fluoride is generated and during recovery process of Ammonium Hydroxide (which is one of the raw materials) from Ammonium Fluoride, Ammonium Sulphate/Calcium Sulphate is formed. The committee noted that the Calcium sulphate is formed in scrubber by reacting H₂SO₄ with Calcium Hydroxide. The industry has submitted the analysis reports of the Calcium Sulphate carried out from NCL Pune. However, the product Calcium Sulphate can be used as a raw material in cement industry.

manufacturing process along with the mass balance, the percent of impurities and the details of end users; therefore, the committee decided to defer the application & submit the above details before the committee.

Decision:


After due deliberations, it was decided to defer the application. Industry shall submit the details of end users for above claimed by-products to the Board and Regional Officer/ Sub-Regional Officer of the respective regions shall visit & verify the manufacturing process of end user industries located in Maharashtra that are using "Sodium Fluoride, Calcium Fluoride & Calcium Sulphate" as Raw material in their process and accordingly submit detail report regarding the use of same & resubmit the case before next meeting along with report of respective Regional Officer/ Sub-Regional Officer.


23/11/2025

Therefore, the same cannot be considered as By-product. For the other claimed by-products products Sodium Fluoride (NaF), Calcium Fluoride – CaF₂, industry has not specified the source of the generation, the detailed manufacturing process along with the mass balance, the percent of impurities and the details of end users. Therefore, the committee decided to defer the application & submit the above details before the committee.

Industry submission:

- CaSO₄ is not naturally formed nor a produced as a primary product in the explained manufacturing process.
- CaSO₄ as Raw material in cement industry occur naturally without any additional chemical process, hence it can not be compared with the secondary processed material.
- Industry has submitted the source of the generation, the detailed manufacturing process along with the mass balance, the percent of impurities etc.


 20/1/2025

Agenda Item No. 05

Project Name: M/s. Omega Colors Pvt. Ltd.,
Plot No. D-21/22/23 MIDC Tarapur, Dist. Palghar.

- (i) Application unique No.: MPCB-BY_PRODUCT-0000000070
- (ii) Environmental Clearance details: Obtained EC from Env. Dept. GoM dated 16.03.2013.
- (iii) Consent details: Consent to Operate under Red/LSI category, vide No. Format1.0/AS(T)/UAN No.0000122764/CR/2202001655 dated 25/02/2022 valid up to 31/12/2026.

Proposed inclusion of By-product			Industry submission and deliberation	Committee decision
Sr. No.	Name	Qty	Purity	
1	Poly Aluminum Chloride, 10% Solution	7200 KL/A	10% Solution in water	<p>Committee noted that industry is engaged in manufacturing of CPC (Green) a dye (Coloring material) and during manufacturing process industry is generating poly Aluminium chloride solution. Committee during discussion noted that industry is having their own facility for utilization of Poly Aluminium Chloride in their own premises wherein they recover/ remove the copper, however, presently they are sending Poly Aluminium Chloride 10% Solution to the industry having authorization under Rule 9 as per existing consent condition, as the said By-product is recently shifted to HW with condition of disposal to authorized Recycler.</p> <p>Committee noted that the industry has provided dedicated facility for utilization of Poly Aluminium Chloride in their own premises wherein they recover/ remove the copper, hence authorization under Rule 9 as per Hazardous And Other Wastes</p>

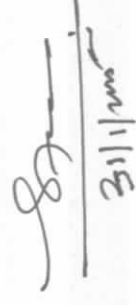
	<p>- Under the circumstances, industry is submitting presentation for the requisite amendment in our CTO, and classify these pure inorganic products as the By-Products, and remove them from the Hazardous Waste category. 'Gujrat Pollution Control Board' also issues CTO classifying these under by-product category.</p> <p>- All the mandatory details of the process with material-balance, stoichiometry, process flow-sheet and CPCB guidelines for identification of by-products generated, are presented herewith. We humbly request the Board Authorities to please issue the necessary amendment to this effect.</p> <p>Deliberation: They have reported that they have the own facility for utilization of Poly Aluminum Chloride in their industry premises. However, presently they are sending Poly Aluminum Chloride 10% Solution to the industry having authorization under Rule 9 as per existing consent condition.</p> <p style="text-align: right;"><i>[Signature]</i> 20/11/2025</p>	<p>(Management and Transboundary Movement) Rules, 2016 is not required. After due deliberation, it was decided to consider Poly Aluminum Chloride as product as industry has provided dedicated plant for utilization of Poly Aluminum Chloride. The consent shall accordingly amended after obtaining verification report from RO/SRO for following</p> <p>(i) RO/SRO shall verify the facility provided by industry for utilization of Poly Aluminum Chloride as per SOP.</p> <p>(ii) Industry shall not accept the spent Poly Aluminum Chloride from outside industry for recovery unless and until they obtain the Authorization under Rule-9 of Hazardous And Other Wastes (M&TH) Rules, 2016 for recycle/recovery.</p> <p>(iii) Industry shall maintain records of sale of claimed By-Product and submit quarterly data to MPCB.</p> <p>(iv) Industry (both the generating and using facilities) shall follow environmentally safe handling of material.</p> <p>(v) Industry shall submit undertaking that, sale of the material is only to the end user industries & neither to the traders, nor to industries which involve the Hazardous Waste processor or recycler.</p> <p>(vi) Industry shall maintain record of sale of claimed By-Product and submit quarterly data to MPCB.</p>
--	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------


Agenda Item No. 06

Project Name: M/s. Lona Industries Ltd.,
At Ladivali, Post Gulsunde, Tal Panvel, Dist Raigad.

- (i) Application unique No.: MPCB-BY_PRODUCT-0000000071
- (ii) Environmental Clearance details: Industry has obtained Environmental Clearance for expansion vide No. F.No. IA-J-11011/84/2018-IA-II(I), Date. 03.12.2021.
- (iii) Consent details: a) Consent to Operate under Red/LSI category, vide No. Format1.0/CC/UAN No.0000167553/CR/2308001545, dated 23/08/2023 which is valid up to 30/04/2027. b) Consent to Establish for Expansion vide No. Format1.0/CC/UAN No.0000133479/CE/2211001976, dated 24/11/2022.

Proposed inclusion of By-product		Industry submission and deliberation	Committee decision
Sr. No.	Name	Qty	
1	Hydrochloric acid (30%)	2160 MT/A	<p>Committee noted that, earlier their proposal was discussed in the 2nd Meeting of 2024-25 for By-Product & Hazardous Waste Categorization dtd. 23/08/2024 and Committee decided that:</p> <p>(i) Hydrochloric acid (30%), Aqueous Sulfuric acid: After due deliberations, it was decided that the claimed by-product Hydrochloric acid (30%), Dil. Sulfuric acid are spent acids as per the Schedule-I of Hazardous & Other Wastes (M & TM) Rules, 2016 and cannot be considered as by-Product, it should be considered as hazardous waste as per consent and shall be disposed at CHWTSDF or sale to the Authorized recycler having Authorization under Rule 9 of Hazardous & Other Wastes (M & TM) Rules, 2016.</p> <p>(ii) AICI3 (PAC) Solution: After due deliberations, it was decided that the claimed by-product AICI3 (PAC) Solution is generated after recovery of copper from mother liquor which is listed in schedule as</p>
2	Aqueous Sulfuric acid (30%)	14400 MT/A	
3	AICI ₃ (PAC) Solution (7-10% as Al ₂ O ₃) (as per existing consent)	36000 MT/A	




	<ul style="list-style-type: none"> Dil. Sulphuric acid, Hydrochloric acid and polyaluminium chloride are material that is not intended to be produced but gets produced in the production process of intended product and can be used as such without any pre-treatment and hence, they are not waste. Above claimed by products are (i) not included in waste specified under column (3) of Schedule I; (ii) waste having equal to or more than the concentration limits specified for the constituents in class A and class B of Schedule II or any of the characteristics as specified in class C of Schedule II; and (iii) wastes specified in Part A of Schedule III in respect of import or export of such wastes or the wastes not specified in Part A but exhibit hazardous characteristics specified in Part C of Schedule Hence are not Hazardous waste. 	<p>28.1 Process residue & as per Hazardous & Other Wastes (M & TM) Rules, 2016 and cannot be considered as by-Product, it should be considered as hazardous waste as per consent and shall be disposed at CHWTSDF or sale to the Authorized recycler having Authorization under Rule 9 of Hazardous & Other Wastes (M & TM) Rules, 2016.</p> <p>Decision:</p> <p>(i) Hydrochloric acid (30%), Aqueous Sulfuric acid (30%): Committee noted that the industry has stated that the claimed By-products are Committee noted that the industry has stated that the claimed By-products are as pure as a fresh product and generated from the unit operation of the manufacturing process and not from pollution control equipment and as the claimed by-product does not contain any contamination/ impurity there will not be any generation of other waste due to use of the claimed by-product as such, hence, there is no negative impact on the quality where this by-product will be used directly; also said claimed by-products are listed in their Environmental Clearance as by-product.</p> <p>After due deliberations, it was decided to refer to CPCB for opinion wrt consideration of Hydrochloric acid (30%), Dil. Sulfuric acid as By-Products.</p> <p>(ii) AIC/3 (PAC) Solution: Committee noted that the industry has provided dedicated facility for utilization of Poly Aluminium Chloride in their own premises wherein they recover/ remove the copper, hence authorization under Rule 9 as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 is not required.</p>
--	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

After due deliberation, it was decided to consider Poly Aluminum Chloride as product as industry has provided dedicated plant for utilization of Poly Aluminum Chloride wherein, they recover/ remove the copper.

The consent shall accordingly be amended after obtaining verification report from RO/SRO for following

- (i) RO/SRO shall verify the facility provided by industry for utilization of Poly Aluminum Chloride as per SOP.
- (ii) Industry shall not accept the spent Poly Aluminum Chloride from outside industry for recovery unless and until they obtain the Authorization under Rule-9 of Hazardous and Other Wastes (M&TH) Rules, 2016 for recycle/ recovery.
- (iii) Industry shall maintain records of sale of claimed By-Product and submit quarterly data to MPCB.
- (iv) Industry (both the generating and using facilities) shall follow environmentally safe handling of material.
- (v) Industry shall submit undertaking that, sale of the material is only to the end user industries & neither to the traders, nor to industries which involve the Hazardous Waste processor or recycler.
- (vi) Industry shall maintain record of sale of claimed By-Product and submit quarterly data to MPCB.

The meeting ended with vote of thanks to Chair.


 (Dr. V.M. Motghare) 25/01/2025
 Assistant Secretary (Technical)



(Dr. Avinash Dhakne, IAS)
 Member Secretary & Chairman of the Technical Committee