

## Minutes of 2nd Committee Meeting (2022-2023), for By-Products and Hazardous waste categorization.

Date 15th December, 2022

Venue: Hybrid Mode, at 101 A, Floor-1, Plot-206 Dalamal House, 206, Jannalal Bajaj Marg, Nariman Point, Mumbai.

Committee Members present for the meeting:

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|----|---|-----------------|
| 1. | Shri Pravin Darade, IAS. Member Secretary         | Chairman        |
| 2. | Dr. V. M. Motghare, Joint Director (APC)          | Member          |
| 3. | Dr. Y.B. Sontakke, Joint Director (WPC)           | Member          |
| 4. | Shri. N. N. Gurav, RO(BMW)                        | Member          |
| 5. | Dr. R. Naidu, Ex Zonal Officer, CPCB              | Member          |
| 6. | Dr.J.B.Sangewar, Assistant Secretary (Tech), MPCB | Member convener |

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.

Shri.N.N.Gurav, RO (BMW), MPCB, Member of the Committee briefed about the, guidelines issued by CPCB in May 2019 for Identification of Materials Generated from Industrial Processes as Wastes or By-products [Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016].

Definitions of Waste and by-products as per MoEF&CC notification dated 04th April. 2016 which is in supersession of the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules. 2008.

“Waste” means materials that are not products or by-products, for which the generator has no further use for the purposes of production, transformation or consumption. This excludes residuals recycled or reused at the place of generation. “By-products” 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.



Policy of MPCB about items/chemicals to be considered as By-product or Hazardous Waste is as mentioned below.

- (i) If the by-products and Hazardous Waste are mentioned in Environmental Clearance under the individual heads issued on or after 2018, then they are to be considered accordingly without any further justification.
- (ii) In EC/CCA, if any item is mentioned as hazardous waste but can be justified as by-product as per the definitions above then can be considered as by-product based on its stoichiometry and its use as such.

On the basis of request made by the industries, the members thereafter deliberated on the agenda items placed before the committee and following decisions were taken.

#### Agenda Item No 1;

- (i) Application Unique Number, MPCB-BY\_PRODUCT-0000000047 dated 13th December 2022.
- (ii) Project Details; M/s. MAZDA COLOURS LIMITED, Plot No. 121/1,121/2, MIDC Dhatav, Roha, Dist- Raigad.
- (iii) Environmental Clearance details: file No.SEIAA-2019/CR.32/ SEIAA dated 26th February 2019.

Valid upto 25.12.2025

- (iv) Consent details; No: - Format1.0/CC/UAN No 0000124719/CO/ 2204001624 Valid till 31/12/2023.

- (v) Industry proposal their submissions, deliberation and the decision of the committee is as under;

Proposed Inclusion of By - Product			Industry submission and deliberation	Committee Decision
Sr. no	Name	Qty MT/A		
1.	Ammonium Sulphate	6000	<b><u>Industry submission:</u></b> The industry has applied for amendment in existing consent to operate for Inclusion of Ammonium sulphate, as By-Products the case was discussed in 6 <sup>th</sup> CAC meeting of the Board held on 28.07.2022 and as per decision of said CAC the industry has applied for Inclusion of By-Products and furnished following documents/details.	After due deliberations, it was decided to defer the case for next meeting, meanwhile industry shall submit the following documents /details. <ul style="list-style-type: none"> <li>• Purity of the by-product with indicating its usability.</li> </ul>




		<p>a. Analysis reports; Pvt laboratory analysis reports of Ammonium carbonate Solution and Ammonium Sulphate</p> <p>b. Material Balance w.r.t proposed By-Product.</p> <p>c. Usability; The proposed by product is used as blend to increase N for production of NPK fertilizer.</p> <p>d. List of end user; furnished the list of industries and suppliers/traders to end users.</p> <p>e. Industry has presented the case and clarified that, the proposed by product is not intended to be produced but gets produced.</p> <p><b><u>Deliberations;</u></b></p> <p>The industry claims that, proposed By-Products is not clearly listed in any of the Schedule III or IV or VI of HOWM rule, requires to furnish Pre-feasibility study report for its end user however since it has been used for production of NPK fertilizer since long back and having MoM/LoI Between the user unit like M/s Krishna Fertilizer, located at Satara hence requirement of Pre-feasibility study be exempted..</p> <p>The industry requires to submit detail analysis report of the Dilute Sulphuric acid, Ammonium Carbonate Solution and <b>Ammonium Sulphate</b> from a credible institute about its purity. Therefore industry to jointly collect samples along with MPCB &amp; one of the institutions viz., ICT, IIT, and NCL or NEERI and submit the same within 30 days period.</p> <p>The industry also requires to conduct environmental health impact and risk assessment studies covering the different end use scenarios of the material.</p>	<ul style="list-style-type: none"> <li>• End use of the by-product followed by the manufacturing process involves thereof.</li> <li>• Undertaking that, sale of the material is only to the end user industries and neither to the traders, nor to the industries which involving the hazardous waste processor or recyclers.</li> <li>• Details analysis report of the Dilute Sulphuric acid, Ammonium Carbonate Solution and <b>Ammonium Sulphate</b> from IIT/NEERI/NCL or ICT showing concentration level of organic impurities.</li> </ul>
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## Agenda Item No 2;

- (i) Application Unique Number, MPCB-BY\_PRODUCT-0000000041 dated 20th August 2022.  
(ii) Project Details; M/s. Privi Specilalty Chemicals ltd, Plot No. A-07 MIDC Mahad , Dist- Raigad,  
(iii) Environmental Clearance details: file No.SEAC-2013/CR.242/ TC-2 dated 8th October 2015.  
(iv) Consent details; No: - Format1.0/CC/UAN No 0000095236/CR- 2011000997 Valid till 31/08/2025.

Proposed Inclusion of By - Product			Industry submission and deliberation	Committee Decision
Sr. no	Name	Qty MT/A		
1.	Amber fleur bottom mass	1223.88	<p><b>Industry submission:</b> The industry is premium manufacturer of aroma chemicals which find its application in perfumery and flavours, applied for amendment in existing consent to operate for Inclusion of said By-Products and furnished following documents/details.</p> <p>a. Analysis reports; Inhouse analysis reports  b. Material Balance w.r.t proposed By-Products.  c. Usability; The proposed by product is used in toilet cleaner and in "Agarbatti mfg"  d. Perfumery chemicals mfg not covered under schedule I of HOWM rule  e. Industry has presented the case and clarified that, the proposed by product is not intended to be produced but gets produced.</p> <p><b>Deliberations:</b>  As per the industry claim, Proposed By-Products are not clearly listed in any of the Schedule III or IV or VI of HOWM rule, Therefore requires to furnish Pre-feasibility study report for its end user</p>	<p>After due deliberations, it was decided to defer the case for next meeting, meanwhile industry shall submit the following documents</p> <ul style="list-style-type: none"> <li>• Purity of the by-products with indicating its usability.</li> <li>• End use of the by -product followed by the manufacturing process involves thereof.</li> <li>• Undertaking that, sale of the material is only to the end user industries and neither to the traders, nor to the industries which involving the hazardous waste processor or recyclers.</li> <li>• Details analysis report of proposed by-products from IIT/NEERI /NCL or ICT showing concentration level of organic impurities.</li> </ul>
2.	Amber fleur tops	1911.96		
3.	Aqueous fluoroboric Acid	1139.28		
4.	<b>PCM (Precyclomone) Tops</b>	1911.96		
5.	Indian Sandal Core bottom	69.96		
6.	Indian Sandal Core Tops mass	112.8		
7.	Limonene Tops	739.2		

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			however since it has been used as perfumery ingredients in toilet cleaner and in "Agarbatti mfg" since long back the requirement of Pre-feasibility study be exempted. Further, the industry requires to submit detail analysis report of the proposed By-Products from a credible institute about its purity. The industry also requires to conduct environmental health impact and risk assessment studies covering the different end use scenarios of the material and List of end user.	
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## Agenda Item No 3;

- (i) Application Unique Number, MPCB-BY\_PRODUCT-0000000041 dated 20th August 2022.
- (ii) Project Details; M/s. Privi Specialty Chemicals Ltd, Plot No. C3 MIDC Mahad, Dist- Raigad,
- (iii) Environmental Clearance details: file No.SIA/MH/IND3/70523/2014 dated 29 June 2022.
- (iv) Consent details; No: - Format1.0/CAC/UAN No 0000127702/CR- 2208001570 Valid till 28/02/2023.

Proposed Inclusion of By - Product			Industry submission and deliberation	Committee Decision
Sr. no	Name	Qty MT/A		
1.	Sodium Acetate Solution	7320	<b>Industry submission:</b> The industry is premium manufacturer of aroma chemicals which find its application in perfumery and flavours. Has applied for amendment in existing consent to operate for	After due deliberations, it was decided to defer the case for next meeting, meanwhile industry shall submit the following documents
2.	Sodium Acetate	2304		
3.	Ammonium Sulphate Solution (30-35%)	3600		



4.	<i>Dilute phosphoric Acid (phosphoric Acid 30)</i>	1620	<p>Inclusion of said By-Products and furnished following documents/details.</p> <ol style="list-style-type: none"> <li>Analysis reports; Inhouse analysis reports</li> <li>Material Balance w.r.t proposed By-Products.</li> <li>Usability; The proposed by product is used in toilet cleaner and in "Agarbatti mfg"</li> <li>Perfumery chemicals mfg. is purely an organic and not covered under schedule I of HOWM rule</li> <li>Industry has presented the case and clarified that, the proposed By-Products is not intended to be produced but gets produced.</li> </ol> <p><b><u>Deliberations;</u></b></p> <p>The industry claims that, Proposed By-Products are not clearly listed in any of the Schedule III or IV or VI of HOWM rule, Therefore requires to furnish Pre-feasibility study report for its end user however since it has been used as perfumery ingredients in toilet cleaner and in "Agarbatti mfg" since long back the requirement of Pre-feasibility study be exempted. Further, the industry requires to submit detail analysis report of the proposed By-Products from a credible institute about its purity therefore industry to jointly collect samples along with MPCB &amp; one of the institutions viz., ICT, IIT, and NCL OR NEERI and submit the same within 30 days period.</p> <p>The industry also requires to conduct environmental health impact and risk assessment studies covering the different end use scenarios of the material and List of end user.</p>	<ul style="list-style-type: none"> <li>Purity of the By-Products with indicating its usability.</li> <li>End use of the by-product followed by the manufacturing process involves thereof.</li> <li>Undertaking that, sale of the material is only to the end user industries and neither to the traders, nor to the industries which involving the hazardous waste processor or recyclers.</li> <li>Details analysis report of proposed by-products from IIT/NEERI /NCL or ICT showing concentration level of organic impurities.</li> </ul>
5.	<i>Dilute Sulphuric Acid (30-40%)</i>	18000		
6.	Chromium Sulphate Solution	2220		
7.				





## Agenda Item No 4;

- (i) Application Unique Number, MPCB-BY\_PRODUCT-0000000044 dated 4th November 2022.  
(ii) Project Details; M/s. Bakul aromatics and Chemicals ltd, Plot No. A/6 MIDC Khalapur , Dist- Raigad,  
(iii) Environmental Clearance details: attracts EC, Establishment unit is prior to 2006.  
(iv) Consent details; No: - Format1.0/AS (T) /UAN No 0000137865/CR- 2210001024 Valid till 30/06/2024.

Proposed Inclusion of By - Product			Industry submission and deliberation	Committee Decision
Sr. no	Name	Qty MT/A		
1.	Acetic Acid	612	<p><b><u>Industry submission:</u></b> The industry is engaged in manufacturing of API, applied for amendment in existing consent to operate for Inclusion of Acetic Acid as By-Product and furnished following documents/details.</p> <ol style="list-style-type: none"> <li>Analysis reports; Pvt Laboratory analysis reports of Acetic Acid.</li> <li>Material Balance w.r.t proposed By-Product.</li> <li>Usability: Acetic Acid used in mfg of Sodium Acetate, butyl acetate and related intermediates, in textile units as speciality chemicals.</li> <li>The proposed by product is consumed by various users supplied through traders.</li> <li>Industry has presented the case and clarified that, the proposed by product is not intended to be produced but gets produced.</li> </ol> <p><b><u>Deliberations:</u></b>  The industry claims that, Proposed By-Product is not clearly listed in any of the Schedule III or IV or VI of HOWM rule, requires to furnish Pre-feasibility study report from credible</p>	<p>After due deliberations, it was decided to defer the case for next meeting, meanwhile industry shall submit the following documents/details.</p> <ul style="list-style-type: none"> <li>Purity of the By-Product with indicating its usability.</li> <li>End use of the by -product followed by the manufacturing process involves thereof.</li> <li>Undertaking that, sale of the material is only to the end user industries and neither to the traders, nor to the industries which involving the hazardous waste processor or recyclers.</li> </ul>



		<p>institute/R&amp;D unit for its end user however this has been used Mfg since last 40 years and consumers are readily buying, quality acceptable to consumer hence requirement of Pre-feasibility study be exempted.</p> <p>Further, the industry requires to submit detail analysis report of the Acetic Acid from a credible institute about its purity. Therefore industry to jointly collect samples along with MPCB &amp; one of the institutions viz., ICT, IIT, and NCL or NEERI and submit the same within 30 days period.</p> <p>The industry also requires to conduct environmental health impact and risk assessment studies covering the different end use scenarios of the material.</p>	<ul style="list-style-type: none"> <li>Details analysis report of the Acetic Acid from IIT/NEERI/NCL or ICT showing concentration level of organic impurities.</li> </ul>
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#### Agenda Item No 5.1;

- Application Unique Number, MPCB-BY\_PRODUCT-0000000015/17 dated 10<sup>th</sup> July 2021.
- Project Details; M/s. Anshul Speciality Molecules Pvt Ltd , Plot No. 108,109, 110 MIDC Dhatav, Village Roth(Bk) Tal Roha , Dist- Raigad,
- Environmental Clearance details: Attracts EC, Establishment unit is prior to 2006.Now applied for expansion of manufacturing capacity of Synthetic Organic Chemicals from 2839.625 MT/M to 3308.625 MT/M. The said proposal was considered by SEAC-I in its 203<sup>rd</sup> meeting held on 10<sup>th</sup> August 2021 and recommended to SEIAA.
- Consent details; No: - No: - Format1.0/CC/UAN No 0000092292/CO-2007001314 Valid till 31/10/2023.

Proposed Inclusion of By - Product			Industry submission and deliberation	Committee Decision
Sr. no	Name	Qty MT/A		
1.	Sodium Hypochlorite	612	<b>Industry submission;</b> Industry has applied for the Inclusion of By-Product Sodium Hypochlorite (NaOCl) & Hydrochloric Acid (HCL). The	After due deliberations, it was decided to consider the case for incorporation

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(NaOCl-12 to 16%) & Hydrochloric Acid (HCL 30%).	<p>company has given presentation and submitted the HCL &amp; Sodium Hypochlorite analysis results of MoEFF &amp; CC and NABL approved lab. The industry claim that, as per the directions of committee for By-Product &amp; Hazardous Waste Categorization they have complied and now the case may be considered and give approval for inclusion of by product in EC/CCA.</p> <p><b>Deliberations;</b></p> <p>The application was discussed in 1st Meeting of 2022-23 for By-Product &amp; Hazardous Waste Categorization held on 12/08/2022. In the said meeting ,it was decided to defer the case for next meeting, meanwhile industry shall submit the following documents</p> <table><tr><td>Points raised by Committee in its meeting held on 12.08.2022</td><td>Compliance</td></tr><tr><td>• Purity of the by-product with indicating its usability</td><td>Furnished, Impurities not found</td></tr><tr><td>• End use of the by -product followed by the manufacturing process involves thereof.</td><td>Furnished, The product HCL is used in metal industry for pickling process, in ETP for neutralization, textile and sugar industry. Sodium Hypochlorite is used in chemical inds, disinfection and in textile</td></tr></table>	Points raised by Committee in its meeting held on 12.08.2022	Compliance	• Purity of the by-product with indicating its usability	Furnished, Impurities not found	• End use of the by -product followed by the manufacturing process involves thereof.	Furnished, The product HCL is used in metal industry for pickling process, in ETP for neutralization, textile and sugar industry. Sodium Hypochlorite is used in chemical inds, disinfection and in textile	<p>of the by-products into the existing consent to operate, as the material is not intended to be produced but gets produced in the production process. After obtaining undertaking that, sale of the material is only to the end user industries and neither to the traders, nor to the industries which involving the hazardous waste processor or recyclers.</p>
Points raised by Committee in its meeting held on 12.08.2022	Compliance							
• Purity of the by-product with indicating its usability	Furnished, Impurities not found							
• End use of the by -product followed by the manufacturing process involves thereof.	Furnished, The product HCL is used in metal industry for pickling process, in ETP for neutralization, textile and sugar industry. Sodium Hypochlorite is used in chemical inds, disinfection and in textile							



				industry for bleaching process	
			<ul style="list-style-type: none"> <li>Last month invoices for by product indicating being sold to end consumer with commercial value.</li> </ul>	Furnished, 10 MT sale to different parties. The commercial value of product is Rs 1.2/kg	
			<ul style="list-style-type: none"> <li>Last month's statement of sale of by product to end user.</li> </ul>	Furnished, The total quantity of sale by product to end user is 115.50 MT for month of October 2022, November no production	
			<ul style="list-style-type: none"> <li>Details analysis report from IIT/NEERI /NCL showing concentration level of organic impurities.</li> </ul>	Furnished report form IIT, no organic compounds are detected.	
			<p>In view of the above, industry has presented pointwise compliance and requested to consider the same for approval accordingly the committee the case was again discussed in details.</p>		



			After due deliberations, it was decided to consider the case for incorporation of the by-products into the existing consent to operate, as the material is not intended to be produced but gets produced in the production process. After obtaining undertaking that, sale of the material is only to the end user industries and neither to the traders, nor to the industries which involving the hazardous waste processor or recyclers.	
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## Agenda Item No 5.2;

- (i) Application Unique Number, MPCB-BY\_PRODUCT-0000000030 dated 9<sup>th</sup> June 2022.
- (ii) Project Details; M/s Dow Chemical International Private Limited. Plot No, T-22/PT, MIDC, Taloja, Taluka- Panvel, District- Raigad, 410208, Maharashtra,
- (iii) Consent details; No: - No:- Format1.0/CAC/UAN No. 0000103323/CR-21031539, dtd 24/03/2021, which is valid upto 31/01/2026

Proposed Inclusion of By - Product			Industry submission and deliberation	Committee Decision
Sr. no	Name	Qty MT/A		
1.	Latex Polymer Cake	2425	<b>Industry submission;</b> Industry has applied for the Inclusion of By –Product Latex Polymer Cake. Industry has presented the manufacturing process of water based latex polymers. The By-Product Latex Polymer cake is produced from left out product collection which is passed through filter press to produce Latex Polymer cake. Industry also stated that they have carried out analysis from ICT & as per the	After due deliberations, it was decided that, <ul style="list-style-type: none"> <li>The By-Product, Latex Polymer Cake which is shown in current consent shall be considered as Hazardous waste &amp; disposed to the Actual user having</li> </ul>



		<p>analysis report the said product is Non Hazardous and claims that, As per the directions of committee for By-Product &amp; Hazardous Waste Categorization they have complied and now the case may be considered and give approval for inclusion of by product in EC/CCA.</p> <p><b>Deliberations;</b></p> <p>The application was discussed in 1st Meeting of 2022-23 for By-Product &amp; Hazardous Waste Categorization held on 12/08/2022, in the said meeting, it was also discussed to examine the possibility whether the By-product can be used in cement manufacturing activity, used as adhesive of binding reagent. After due deliberations, it was decided to defer the case for next meeting, meanwhile industry shall submit the following documents</p> <table><tr><td>• Points raised by Committee in its meeting held on 12.08.2022</td><td>Compliance</td></tr><tr><td>• Purity of the by-product with indicating its usability.</td><td>Furnished,</td></tr><tr><td>• End use of the by - product followed by the manufacturing process involves thereof.</td><td>Furnished,</td></tr><tr><td>• Last month invoices for by product indicating being sold to end consumer with commercial value.</td><td>Not Furnished,</td></tr></table>	• Points raised by Committee in its meeting held on 12.08.2022	Compliance	• Purity of the by-product with indicating its usability.	Furnished,	• End use of the by - product followed by the manufacturing process involves thereof.	Furnished,	• Last month invoices for by product indicating being sold to end consumer with commercial value.	Not Furnished,	<p>permissions under Rule 9 of Hazardous and other Waste (M &amp; TM) Rules, 2016.</p> <ul style="list-style-type: none"><li>• The By-Product shown in current consent shall be shifted to hazardous waste as cat 20.4 by amending the consent.</li></ul>
• Points raised by Committee in its meeting held on 12.08.2022	Compliance										
• Purity of the by-product with indicating its usability.	Furnished,										
• End use of the by - product followed by the manufacturing process involves thereof.	Furnished,										
• Last month invoices for by product indicating being sold to end consumer with commercial value.	Not Furnished,										

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			<ul style="list-style-type: none"> <li>• Last month's statement of sale of by product to end user.</li> </ul>	Not Furnished,	
			<ul style="list-style-type: none"> <li>• Industry to identify the best use of By-product.</li> </ul>	Furnished	
			<ul style="list-style-type: none"> <li>• Details analysis report from IIT/NEERI /NCL showing concentration level of organic impurities.</li> </ul>	Furnished report form ICT, no organic compounds are detected.	
			<p>In view of the above, and considering the presentation of industry on pointwise compliance the case was again discussed in details.</p> <p>The committee is of the opinion that, Latex Polymer Cake this is generated from pollution control equipment and it is to be disposed by sale to end user using it as a raw material having permissions under Rule 9 of Hazardous and other Waste (M &amp; TM) Rules, 2016. And this has already be shown in current consent as by product which needs to be reviewed.</p>		



## Agenda Item No 5.3;

(i) Application Unique Number, MPCB-BY\_PRODUCT-0000000031 dated 15<sup>th</sup> June 2022.

(ii) Project Details: M/s. STERLITE TECHNOLOGIES LIMITED, Plot no. E-1,E-2,E-3, & gut no 14, MIDC Waluj, Tal- Gangapur, Dist- Aurangabad, Maharashtra,

(iii) Consent details; No: - No. Format 1.0/CAC/UAN No.MPCB-CONSENT-0000126514/CR-2205001542 dtd 26.05.2022 valid up to 28.02.2027

Proposed Inclusion of By - Product			Industry submission and deliberation	Committee Decision
Sr. no	Name	Qty		
1.	Dilute Hydrochloric Acid	3150 Kl/M	<p><b>Industry submission;</b> Industry has applied for the Inclusion of By-Products and presented their case before the committee in its 1st Meeting of 2022-23 for By-Product &amp; Hazardous Waste Categorization held on 12/08/2022 and as per directions of the committee now complied the same. Presented pointwise compliance and requested to consider the same for approval.</p> <p><b>Deliberations;</b></p> <p>The application was discussed in 1st Meeting of 2022-23 for By-Product &amp; Hazardous Waste Categorization held on 12/08/2022, and the said committee has noted that although the products for which industry has applied to be considered as By-products as mentioned as By-Products in previous consent granted to the project vide no Format1.0/BO/CAC-Cell/UAN No 0000056640-18/8<sup>th</sup> CAC/19030017552 dated 29/03/2019. Committee has considered only two products i.e. Dilute Hydrochloric Acid &amp; Silicon dioxide subject to joint collection of samples by one of the institutions from IIT, NCL OR NEERI and certification from them. Others i.e. Sodium</p>	<p>After due deliberations, it was decided to consider the case for incorporation of the By-Products into the existing consent to operate, as the material is not intended to be produced but gets produced in the production process. After obtaining undertaking from the said industry that, sale of the material is only to the end user industries and neither to the traders, nor to the industries which involving the hazardous waste processor or recyclers.</p>
2.	Silicon Dioxide (SiO <sub>2</sub> )	138 MT/M		

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		<p>Hypochlorite generated from MEE, is not considered as committee is of the opinion that this is generated from pollution control equipment.</p> <p>The industry is manufacturing inorganic products hence, EC is not applicable to the unit as per EIA &amp; also the By-Products not listed in the Schedule-I of Hazardous and other wastes (Management &amp; Transboundary Movement) Rule, 2016.</p> <table><tr><td>Points raised by Committee in its meeting held on 12.08.2022</td><td>Compliance</td></tr><tr><td><ul style="list-style-type: none"><li>Industry to jointly collect samples along with MPCB &amp; one of the institutions viz., IIT, NCL OR NEERI and submit certification within 30 days period.</li></ul></td><td>Furnished, Impurities not found</td></tr></table> <p>In view of the above, and considering the presentation of industry on pointwise compliance the case was again discussed in details.</p> <p>The committee is of the opinion that, the claimed byproducts are as pure as fresh product and generated from unit operations of manufacturing process and not from pollution control equipment. As claimed byproducts does not contain any contamination/impurity there will not be any generation of other waste due to use of the claimed byproducts. Hence, no negative impact on the quality where this byproduct will be used directly</p>	Points raised by Committee in its meeting held on 12.08.2022	Compliance	<ul style="list-style-type: none"><li>Industry to jointly collect samples along with MPCB &amp; one of the institutions viz., IIT, NCL OR NEERI and submit certification within 30 days period.</li></ul>	Furnished, Impurities not found	
Points raised by Committee in its meeting held on 12.08.2022	Compliance						
<ul style="list-style-type: none"><li>Industry to jointly collect samples along with MPCB &amp; one of the institutions viz., IIT, NCL OR NEERI and submit certification within 30 days period.</li></ul>	Furnished, Impurities not found						



			<p>The proposed products are clearly mentioned as by-products in mentioned as By-Products in previous consent granted to the project vide dtd 29/03/2019 &amp; also the product being not listed in schedule-I of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, it was decided to consider Dilute Hydrochloric Acid &amp; Silicon dioxide (SiO<sub>2</sub>) as by-product and amend the consent accordingly.</p>	
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Agenda Item No 5.4;

(i) Application Unique Number, MPCB-BY\_PRODUCT-0000000035 dated 5<sup>th</sup> July 2022.

(ii) Project Details; M/s. STERLITE TECHNOLOGIES LIMITED, Plot no. A-1/7, MIDC Shendra, Dist- Aurangabad, Maharashtra,

(iii) Consent details; No. Format 1.0/CAC/UAN No.0000104457/CO-2107001331 dtd 27.07.2021 valid up to 28.02.2024

Proposed Inclusion of By - Product			Industry submission and deliberation	Committee Decision
Sr. no	Name	Qty		
1.	Dilute Hydrochloric Acid	1750 KL/M	<b>Industry submission;</b> Industry has applied for the Inclusion of By-Products and presented their case before the committee in its 1st Meeting of 2022-23 for By-Product & Hazardous Waste Categorization held on 12/08/2022 and as per directions of the committee now complied the same. Presented pointwise	After due deliberations, it was decided to consider the case for incorporation of the By-Products into the existing consent to operate, as the material is not
2.	Silicon dioxide (SiO <sub>2</sub> )	70 MT/M		

2<sup>nd</sup> Committee Meeting (2022-2023), for By-Products and Hazardous waste categorization dtd. 15.12.2022

		<p>compliance and requested to consider the same for approval.</p> <p><b>Deliberations;</b></p> <p>The application was discussed in 1st Meeting of 2022-23 for By-Product &amp; Hazardous Waste Categorization held on 12/08/2022, and the said committee has noted that although the products for which industry has applied to be considered Silicon dioxide (SiO<sub>2</sub>) as By-Products as mentioned in current consent and Hydrochloric Acid(HCL) as hazardous waste in previous consent granted to the project vide dtd 1/11/2019. Committee has considered only two products i.e. Dilute Hydrochloric Acid &amp; Silicon dioxide subject to joint collection of samples by one of the institutions from IIT, NCL OR NEERI and certification from them. Others i.e. Sodium Hypochlorite generated from MEE, is not considered as committee is of the opinion that this is generated from pollution control equipment.</p> <p>The industry is manufacturing inorganic products hence, EC is not applicable to the unit as per EIA &amp; also the By-Products not listed in the Schedule-I of Hazardous and other wastes (Management &amp; Transboundary Movement) Rule, 2016.</p> <table><tr><th>Points raised by Committee in its meeting held on 12.08.2022</th><th>Compliance</th></tr><tr><td><ul style="list-style-type: none"><li>Industry to jointly collect samples along with MPCB &amp; one of the institutions viz., IIT, NCL OR NEERI</li></ul></td><td>Furnished, Impurities not found</td></tr></table>	Points raised by Committee in its meeting held on 12.08.2022	Compliance	<ul style="list-style-type: none"><li>Industry to jointly collect samples along with MPCB &amp; one of the institutions viz., IIT, NCL OR NEERI</li></ul>	Furnished, Impurities not found	<p>intended to be produced but gets produced in the production process. After obtaining undertaking from the said industry that, sale of the material is only to the end user industries and neither to the traders, nor to the industries which involving the hazardous waste processor or recyclers.</p>
Points raised by Committee in its meeting held on 12.08.2022	Compliance						
<ul style="list-style-type: none"><li>Industry to jointly collect samples along with MPCB &amp; one of the institutions viz., IIT, NCL OR NEERI</li></ul>	Furnished, Impurities not found						

			<p>and submit certification within 30 days period.</p>		
			<p>In view of the above, and considering the presentation of industry on pointwise compliance the case was again discussed in details.</p> <p>The committee is of the opinion that, the claimed By-Products are as pure as fresh product and generated from unit operations of manufacturing process and not from pollution control equipment. As claimed byproducts does not contain any contamination/impurity there will not be any generation of other waste due to use of the claimed By-Products. Hence, no negative impact on the quality where this byproduct will be used directly</p> <p>The product Dilute Hydrochloric Acid is clearly mentioned as By-Products in previous consent granted to the project vide dtd 1/11/2019 &amp; the product Silicon dioxide (<math>\text{SiO}_2</math>) in current consent, also the product being not listed in schedule-I of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, it was decided to consider Dilute Hydrochloric Acid &amp; Silicon dioxide (<math>\text{SiO}_2</math>) as By-Products and amend the consent accordingly.</p>		

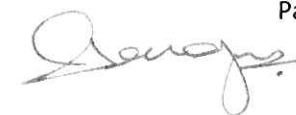


## Agenda Item No 5.5;

- (i) Application Unique Number, MPCB-BY\_PRODUCT-0000000032 dated 17<sup>th</sup> June 2022.
- (ii) Project Details; M/s VINATI ORGANICS LIMITED. Plot no. A20 D 30/2, MIDC Lote Parshuram Tal Khed Dist- Ratnagiri, Maharashtra,
- (iii) Environmental Clearance details: SEAC-2015/CR-236/TC-2 dated 28<sup>th</sup> June 2016.
- (iv) Consent details; No. Format1.0/CAC/UAN No.00001075484/CO-2107001035, 15/07/2021, which is valid upto 31/03/2026.

Proposed Inclusion of By - Product			Industry submission and deliberation	Committee Decision
Sr. no	Name	Qty MT/A		
1.	Methanol	26880	<b>Industry submission;</b> Representative of industry did not attend the meeting, nor any submissions made by the industry.  <b>Deliberations;</b> The application was discussed in 2nd Committee Meeting for By-Products & Hazardous Waste categorization held on 16/12/2020 & it was decided to defer the case for next meeting, meanwhile industry shall submit the following documents 1) Purity of the by-product with indicating its usability. 2) End use of the by -product followed by the manufacturing process involves thereof. 3) Last month invoices for by product indicating being sold to end consumer with commercial value. 4) Last month's statement of sale of by product to end user.	After due deliberations, it was decided to defer the case for next meeting, meanwhile industry shall submit the following documents/Details  <ul style="list-style-type: none"> <li>• Purity of the by-product with indicating its usability.</li> <li>• End use of the by -product followed by the manufacturing process involves thereof.</li> <li>• Undertaking that, sale of the material is only to the end user industries and neither to the traders, nor to the industries which involving the hazardous waste processor or recyclers.</li> </ul>
2.	N tertiary Butyl Acrylamide (TBA)	2112		
3.	Tertiary Butyl Amine	1608		

2<sup>nd</sup> Committee Meeting (2022-2023), for By-Products and Hazardous waste categorization dtd. 15.12.2022



		<p>These points were not complied by the industry the case was again considered by the committee in its 1st Meeting of 2022-23 for By-Product &amp; Hazardous Waste Categorization held on 12/08/2022 however yet not complied the same.</p> <p>In view of the above, the committee is of the opinion that, last chance be given to the industry to comply the aforesaid as well as 1st meeting points and therefore decided to defer the application for the next meeting.</p>	<ul style="list-style-type: none"> <li>• Last month invoices for by product indicating being sold to end consumer with commercial value.</li> <li>• Last month's statement of sale of by product to end user.</li> <li>• Details analysis report from IIT/NEERI /NCL showing concentration level of organic impurities.</li> </ul>
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The meeting ended with vote of thanks to Chair.



(Dr. J.B. Sangewar)  
Asst. Secretary (Tech.)  
and Member-Convenor of Committee



(Pravin Darade, IAS)  
Member Secretary  
and Chairman of the Committee