



,





2

2.1





3

3.1

3.1.1

3.1.2

3.2

3.2.1

3-4

3.2.3

3.2.4

3-6

3.3

3.3.1

3-7

3.4

3.5

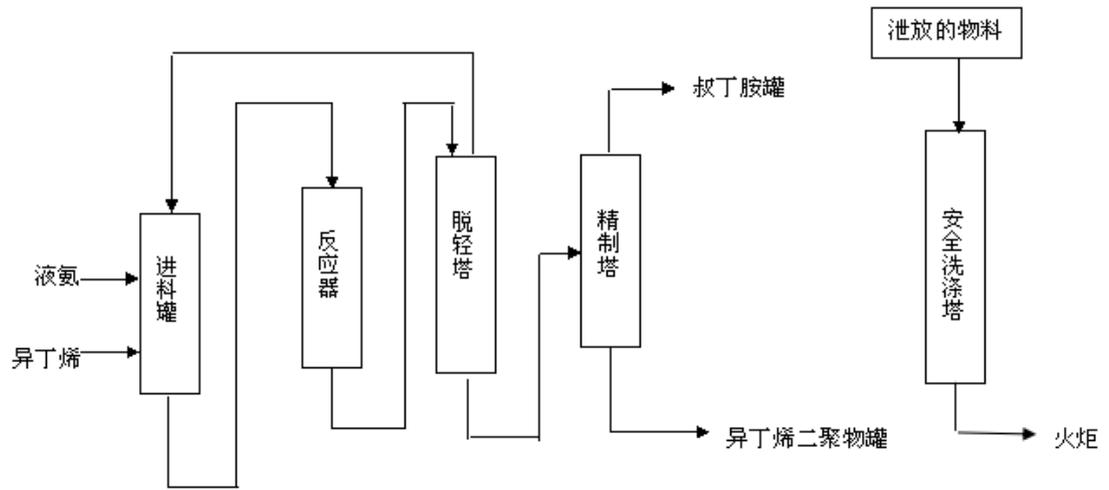
3.5.1

催化劑
→

催化劑
→

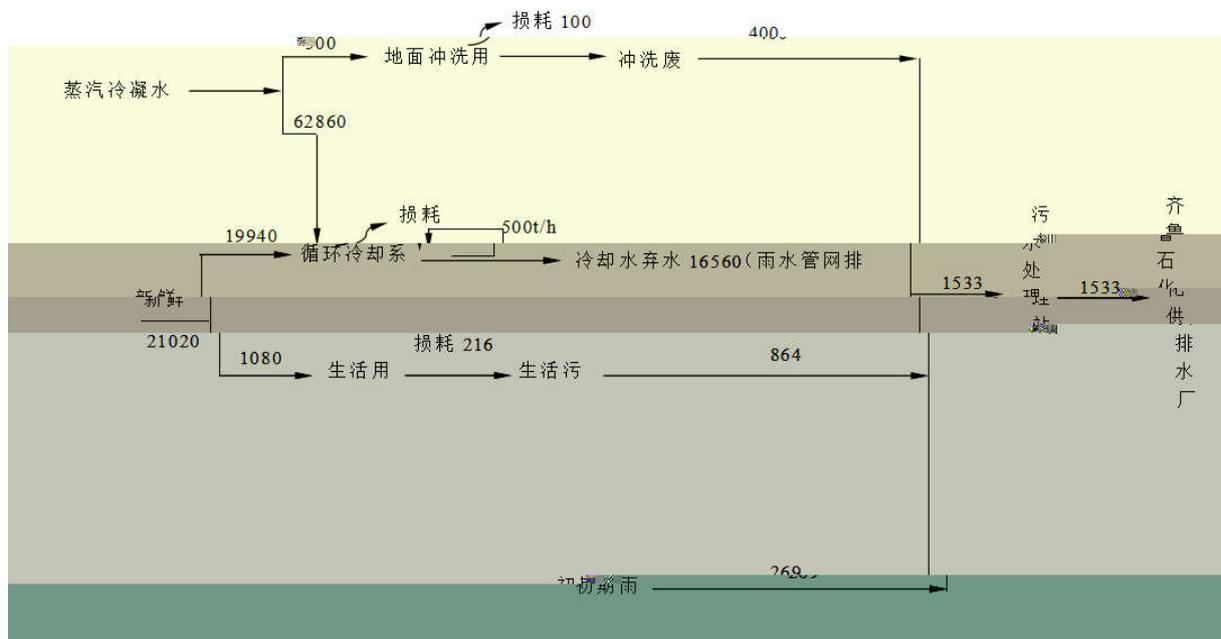
()





3-2

3.5.2



3-1

t/a



3.6

3-9

4

4.1 /

4.1.1

4-1

	t/a	

4.1.2

1

2

4.1.3

4.1.4

4-2

	t/a	

4.2

4.2.1

5

5.1

5.2

5-1

	[2015]75		
	" "	" "	
	" "	" "	
	" "	" "	

6

6.1

6.1.1

6-1		mg/m³
	(mg/m³)	

6-2		mg/m³
	(mg/m³)	

6.1.2

6-3 **GB/T31962-2015 A**

	pH	COD mg/L	mg/L	NH₃-N mg/L	P

6.1.3

6-4 **dB A**

6.1.3

6.2

7

7.1

7.1.1

7-1

7-2

7.1.2

7-3

7.1.3

7-4

8

8.1

8-1

8-2

8-3

8.2

8-4

8-5

8-6

8.3

8.4

8.5

8-6

				dB	dB		

9

9.1

9.1.1“ ”

9.1.2

9.1.3

9.1.4





10

10.1

10-1

10.2

10.2.1

10-2

		(m)	(m)			

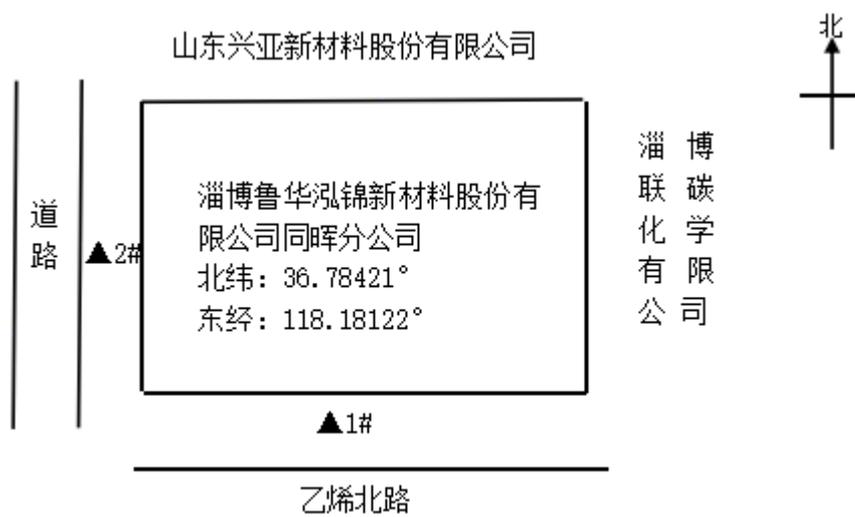
10-3

				mg/m ³ ()	m ³ /h ()	kg/h ()					
							(mg/m ³)	(mg/m ³)	kg/h	kg/h	

10-5

mg/m³

VOCs								
			0.91		1.03			
				0.90		0.84		
			0.98	0.97				
						0.98		
					0.83			



10-2

2021.06.15

2021.06.16

10-6

dB A

10-7

		pH	mg/L	mg/L	mg/L	P mg/L

10.2.2

11

11.1

11.2

11.2.1

11.2.2

11.2.3

11.2.4

11.2.5

11.3

11-1

11.4





营业执照



统一社会信用代码
企业名称
经营范围
法定代表人
注册资本
成立日期
营业期限
登记机关



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Second section of handwritten text, appearing as a paragraph.

Third section of handwritten text, continuing the narrative or list.

Fourth section of handwritten text, possibly a conclusion or final entry.

Final line of handwritten text at the bottom of the page.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that this is essential for the proper management of the organization's finances and for ensuring compliance with relevant laws and regulations.

2. The second part of the document outlines the various methods and procedures used to collect and analyze data. It describes how this information is used to identify trends, assess risks, and make informed decisions about the organization's future.

3. The third part of the document focuses on the role of technology in modern business operations. It highlights how digital tools and platforms have revolutionized the way companies communicate, collaborate, and deliver their products and services.

4. The fourth part of the document addresses the challenges and opportunities associated with globalization. It discusses how international trade and investment have created new markets and opportunities for growth, while also presenting new risks and complexities.

5. The fifth part of the document explores the impact of environmental and social factors on business performance. It argues that companies must now consider these factors as part of their overall strategy, as they can significantly affect their reputation and long-term success.

6. The sixth part of the document discusses the importance of innovation and research and development in driving growth and competitive advantage. It encourages companies to invest in new technologies and ideas, and to foster a culture of creativity and experimentation.

7. The seventh part of the document focuses on the role of leadership and management in navigating these complex and rapidly changing business environments. It provides insights into effective leadership practices and strategies for building resilient and high-performing organizations.

8. The eighth part of the document discusses the importance of ethics and corporate social responsibility in building trust and loyalty among stakeholders. It argues that companies should strive to do no harm and to contribute positively to society, as this is essential for their long-term success.

9. The ninth part of the document discusses the importance of risk management and contingency planning in protecting the organization's assets and ensuring its continuity. It provides guidance on how to identify, assess, and mitigate various risks, and on how to develop effective contingency plans.

10. The tenth part of the document discusses the importance of human resources and talent management in driving organizational success. It emphasizes the need to attract, develop, and retain top talent, and to create a supportive and motivating work environment.

13 项目变更情况总结

变更后项目的建设地点不变，仍位于临淄区齐鲁化学工业区精细化工园内。本次变更内容如下：

(1) 使用原料变更为：异丁烯、液氨、催化剂（三氧化二铝、二氧化硅）。

(2) 工艺步骤变更为：异丁烯和液氨分别由计量泵计量后混合，在汽化器中汽化后进入反应器，在催化剂作用下生成叔丁胺。未反应的异丁烯与氨回收后重新进入反应器反应，精制后的叔丁胺进入成品罐。

(3) 项目产能由 3000t/a，扩产为 10000t/a。从而原辅材料、能耗、设备、污染物排放对应变化。

13.1 变更前后公辅工程情况

变更前后公辅工程对比情况具体见表 13.1-1。

表 13.1-1 公辅工程变更前后对比情况

工程类别	单项工程名称	变更前	变更后
公用工程	供电	525 万 KWh	1400 万 KWh, 增加
	供水	153990t/a	21020 t/a, 减少
	排水	2200 t/a	1533 t/a, 减少
	蒸汽	13500 t/a	79200 t/a, 增加
环保工程	废气治理	碱液吸收装置	加强罐区无组织排放管理 火炬燃烧异丁烯、液氨罐区废气及装置区废气
		硫酸吸收装置	
	废水治理	污水处理池 1 套（公用）	依托现有污水处理池，不再设置硫酸钙池子
		硫酸钙池子	
	废渣	固废暂存库房（全厂区统一设置）	固废暂存库房（全厂区统一设置），不发生变化
	噪声	减震基座、隔声等	成熟噪声防治措施，无变化
风险	事故消防水池，依托现有 1600m ³ （全厂共用）	事故消防水池，依托现有 1600m ³ （全厂共用），无变化	

13.2 变更前后清洁生产情况

本次变更后原料及工艺发生变化，原辅料的种类、数量也发生变化，减少了有毒有害物质的在线量，污染物排放中没有了异丁烯和氨的排放，变为 NO_x 和烟尘；项目新鲜水用量有所减少，电和蒸汽的用量有所增加，相比较所产生的经济效益、环境效益明显提高，叔丁胺新生产工艺的使用具有较好的环境效

益，因此清洁生产水平提高。

13.3 变更前后环境影响情况

表 13.3-1 环境影响变更前后对比情况

类别	变更前	变更后
大气环境	对环境影响较小	新增了有组织废气 NO _x 和烟尘的排放
水环境	对地表水环境的影响很小	废水排放量减少,对污水厂的污染负荷影响不大
噪声环境	满足《工业企业厂界环境噪声排放标准》(GB12348-2008)中2类	满足《工业企业厂界环境噪声排放标准》(GB12348-2008)中2类

五

十



中国美术学院美术考级教材

素描分册

中国美术学院美术考级教材

素描分册



1. 引言
2. 背景与意义
3. 研究目的与意义

4. 研究方法
5. 研究结果
6. 结论与展望

7. 参考文献
8. 附录
9. 致谢
10. 联系方式

11. 附件
12. 其他说明

13. 附录
14. 其他说明





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五、政府下达的“十一五”污染物总量指标 (吨/年)

化学需氧量	氨氮	二氧化硫	氮氧化物	烟(粉)尘

六、建设项目环境影响评价预测污染物排放总量 (吨/年)

化学需氧量	氨氮	二氧化硫	氮氧化物	烟(粉)尘
0.68 (内控)	0.02 (内控)			

七、区、县环保局初审总量指标 (吨/年)

化学需氧量	氨氮	二氧化硫	氮氧化物	烟(粉)尘



八、市环保局总量管理部门确认总量指标 (吨/年)

化学需氧量	氨氮	二氧化硫	烟尘	工业粉尘

市环保局总量管理部门意见:

(公章)

年 月 日

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that this is crucial for the company's financial health and for providing transparency to stakeholders.

2. The second part of the document outlines the specific procedures for recording transactions. It details the steps from initial receipt to final entry in the accounting system, ensuring that all necessary information is captured and verified.

3. The third part of the document addresses the role of the accounting department in monitoring and controlling the company's financial performance. It highlights the need for regular reviews and the identification of any discrepancies or areas for improvement.

4. The fourth part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that this is crucial for the company's financial health and for providing transparency to stakeholders.

5. The fifth part of the document outlines the specific procedures for recording transactions. It details the steps from initial receipt to final entry in the accounting system, ensuring that all necessary information is captured and verified.

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9. The ninth part of the document addresses the role of the accounting department in monitoring and controlling the company's financial performance. It highlights the need for regular reviews and the identification of any discrepancies or areas for improvement.

10. The tenth part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that this is crucial for the company's financial health and for providing transparency to stakeholders.

环境管理制度

编制：安环科

审核：寇爱民

批准：浦为民

实施日期：2021年4月25日

淄博鲁华泓锦新材料股份有限公司同晖分公司

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一、 关于成立环境保护领导小组的决定

2021年3月10日



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建设项目竣工环境保护“三同时”验收登记表

填表单位（盖章）：淄博鲁华泓锦新材料股份有限公司同晖分公司

填表人（签字）：

项目经办人（签字）：

项目名称	3000t/a 叔丁胺系列产品扩建项目			项目代码	/			建设地点	山东省淄博市临淄区齐鲁化学工业区精细化工园乙烯北路西首		
行业类别（分类管理名录）	C2619			建设性质	<input type="checkbox"/> 新建 <input type="checkbox"/> 改扩建 <input checked="" type="checkbox"/> 技术改造√			项目厂区中心经度/纬度	北纬：36°47'5.15" 东经：118°10'35.64"		
设计生产能力	年生产叔丁胺 10000 吨			实际生产能力	年生产叔丁胺 10000 吨			环评单位	南京科泓环保技术有限公司		
环评文件审批机关	淄博市生态环境局			审批文号	淄环审[2015]75 号			环评文件类型	建设项目环境影响补充报告		
开工日期	2015.09			竣工日期	2020.8			排污许可证申领时间	/		
环保设施设计单位	/			环保设施施工单位	/			本工程排污许可证编号	/		
验收单位	/			环保设施监测单位	/			验收监测时工况	80%		
投资总概算（万元）	7971			环保投资总概算（万元）	190			所占比例（%）	2.4		
实际总投资	7971			实际环保投资（万元）	190			所占比例（%）	2.4		
废水治理（万元）	废气治理（万元）	噪声治理（万元）		固体废物治理（万元）	/			绿化及生态（万元）	/	其他（万元）	/
新增废水处理设施能力	/			新增废气处理设施能力	/			年平均工作时间	5040h/a		
运营单位	山东盛奥铝基新材料有限公司			运营单位社会统一信用代码（或组织机构代码）	91370304MA3P37414W			验收时间	/		
污染物	新	原有排放量(1)	本期工程实际排放浓度(2)	本期工程允许排放浓度(3)	本期工程产生量(4)	本期工程自身削减量(5)	本期工程实际排放量(6)	本期工程核量	本期工程排放量		

污染物排放达标与总量控制（工业建设项目详填）