OEPA

BRIEFING MEMO

Modification ____
New ✓
Renewal ____

1. Company Name UNION CARBIDE CORP.
2. Division Name LINDE DIVISION
3. Plant Name NORTH ROYALTON
4. Plant or Discharge Address
14788 YORK ROAD
NORTH ROYALTON, OHIO 44133
5. Company Mailing Address SAME
6. Name of Individual Contact at the Plant MR. ~~STEVE~~ S.J. FARRY
Title PLANT MANAGER Phone No. (216) 237-8770

7. OEPA Application No. ~~[illegible]~~ E364*AX
8. NPDES Application No. OH ~~[illegible]~~ 0003797
9. SIC No. 2813
10. District N.E.
11. County CUYAHOGA
12. River Basin ROCKY RIVER

Description of Operation

13. Products Made MANUFACTURE OF ACETYLENE, REPACKAGING OF INDUSTRIAL GASSES
14. Raw Materials CALCIUM CARBIDE, - Industrial GASSES
15. Daily Production Rate 100,000 cf/da.
16. Raw Material Consumption 7,000 lbs/carbide
17. Processes Used React CALCIUM CARBIDE WITH WATER TO PRODUCE ACETYLENE GAS; REPACKAGE INDUSTRIAL GAS
18. Total Waste Volume ~~[illegible]~~ 16,000 GAL
19. Outfall (No. 001, etc.) 001 N/A N/A
20. Type of Waste (Process/cooling – contact/non-contact) NON CONTACT COOLING
21. Treatment System Used NONE

EPA Region 5 Records Ctr.
339746

22. Outfall Volume (MGD) ~~0.017~~ 0.01
23. Receiving Stream UNNAMED tributary of EAST BRANCH OF ROCKY RIVER
24. Critical flow of above <0.1 cfs
25. Stream Classification [X] Primary contact, warm fishery, public, industrial and agricultural water supplies, [N/A] Cold Fishery, [N/A] Variance N/A SNRW
26. Subsequent Network ROCKY RIVER to LAKE ERIE
27. No. of Employees 70 Hours per day 16 shifts/wk 10 days/wk 52

28. List the three (3) consecutive months which represent each season and the average number of hours facility is in operation in a seven day week.

Winter: 1st Mo. ~~NOV~~ DEC 2nd Mo. JAN 3rd Mo. FEB 80 Hours

Spring: 1st Mo. MAR 2nd Mo. APR 3rd Mo. MAY 80 Hours

Summer: 1st Mo. JUNE 2nd Mo. JULY 3rd Mo. AUG 80 Hours

Fall: 1st Mo. SEPT 2nd Mo. OCT 3rd Mo. NOV 80 Hours

Regulatory Bases (Check where applicable)

29. 303/208 WLAR (Plan) N/A Mahoning N/A ORSANCO N/A

WQ Segment ✓ EL Segment N/A I.J.C. N/A

Other N/A

Federal Guidelines Used N/A

30. Monitoring Stations - Type, Number & Description /Internal (Raw Waste), Upstream (Intake), Downstream, Subsurface WQ or surface discharge/.

Type	Number	Description
Surface	001	NON CONTACT COOLING WATER & STORM
NON CONTACT - Cooling WATER		RUNOFF AT PIPE TO CREEK BEHIND
		PLANT

31. Water Supply Sources (wells, city, river) Cleveland

32. Describe sanitary waste water disposal SEPTIC TANK

REGULAR MAINTENANCE BY COMPANY, OUTSIDE FIRM AS NEEDED

33. Outfall: Mile points on stream N/A

Geographical Coordinates 81°45'30" N 41°14'30" W.

34. A fact sheet is necessary when the outfall volume exceeds .5 mgd for any day of the year. [ ] Necessary [X] Not necessary

Prepared by Mark T. Baumgardner Date 5-8-79

OEPA Justification Memo

Initial Table

Characteristic	Justification	Characteristic	Justification
	N/A		

Final Table

Characteristic	Justification	Characteristic	Justification
pH	6.5-9.0 meets limits of OAC 3745-01-07 (WATER QUALITY STANDARDS) applicable to ~~for~~ STATE & NATIONAL RESOURCE WATER		
temp.	MONITOR ONLY-DATA ON DISCHARGE NOT AVAILABLE UNTIL ACTUAL DISCHARGE STARTS - PERMIT TO LAST ONE YEAR AS A DATA BASE		

TEMPERATURE NOT EXPECTED TO BE A PROBLEM.

Compliance Schedule Justification (Write Out)

(Describe equipment that can be used; such that the values in the final table could be met.)

N/A

Describe Time allowance Justification: i.e., by agreement with company or outside engineering estimate, or federal law deadline, or OEPA engineering estimate, or others.

N/A

1. Acceptable justifications are FGL (Federal Guidelines) ~~WRS~~ MRS (Mahoning River)