

LAW OFFICES

VUONO, LAVELLE & GRAY

2310 GRANT BUILDING

PITTSBURGH, PA. 15219

(412) 471-1800

JOHN A. VUONO
WILLIAM J. LAVELLE
WILLIAM A. GRAY
MARK T. VUONO
JON A. ALLEGRETTI

December 7, 1983

Re: Pitt-Ohio Express, Inc.
Docket No. A. 102471, F. 1, Am-D
Our File 2691-6

RECEIVED

DEC 9 - 1983

**Non-Rail Transportation
Public Utility Comm.**

Mr. Jerry Rich, Secretary
Pennsylvania Public Utility Commission
P. O. Box 3265
Harrisburg, Pennsylvania 17120

Dear Mr. Rich:

We enclose for filing with the Commission the signed original and two copies Applicant's Verified Statements in the above captioned case.

Please acknowledge receipt and filing of the enclosed on the duplicate copy of this letter of transmittal and return it to the undersigned in the stamped, self-addressed envelope provided for that purpose.

Sincerely yours,

VUONO, LAVELLE & GRAY

William J. Lavelle
William J. Lavelle

lp

Enclosures

cc: Pitt-Ohio Express, Inc., w/enclosure
Union Carbide Corporation

**DOCUMENT
FOLDER**

RECEIVED
DEC 9 - 1983
SECRETARY'S OFFICE
Public Utility Commission

BEFORE THE
Pennsylvania Public Utility Commission

PITT-OHIO EXPRESS, INC.

DOCKET NO. A. 102471, FOLDER 1, AM-D

APPLICANT'S VERIFIED STATEMENTS

RECEIVED

DEC 9 - 1983

Non-Rail Transportation
Public Utility Comm

WILLIAM J. LAVELLE, ESQUIRE
Attorney for Applicant

RECEIVED

DEC 9 - 1983

SECRETARY'S OFFICE
Public Utility Commission

Of Counsel:
VUONO, LAVELLE & GRAY
2310 Grant Building
Pittsburgh, Pennsylvania 15219

Due Date: December 23, 1983

DOCUMENT
FOLDER

DOCKETED
APPLICATION DOCKET
DEC 9 1983
ENTRY No. 110

Before the
PENNSYLVANIA PUBLIC UTILITY COMMISSION

PITT-OHIO EXPRESS, INC.
DOCKET NO. A. 102471, FOLDER 1, AM-D

APPLICANT'S VERIFIED STATEMENTS

I. STATEMENT OF THE CASE

By application published in the Pennsylvania Bulletin on August 27, 1983, Pitt-Ohio Express, Inc. (Pitt-Ohio or applicant) seeks motor common carrier authority as follows:

To transport, as a Class D carrier, property (excluding property in bulk and household goods) for Union Carbide Corporation, between points in Pennsylvania.

The application is unopposed and has been assigned for review by the Commission without an oral hearing. The application is supported by Union Carbide Corporation. Applicant now submits its verified statements in support of the application.

II. VERIFIED STATEMENT OF ROBERT F. HAMMEL
ON BEHALF OF APPLICANT

1. Legal Name and Domicile of Carrier.

Applicant is Pitt-Ohio Express, Inc. (Pitt-Ohio or applicant), a Pennsylvania corporation, with its principal place of business located at 27th & A.V.R.R., Pittsburgh, PA 15222.

2. Identity and Qualifications of Testifying Witness.

My name is Robert F. Hammel and I am Secretary of applicant. I have held this position since the company was incorporated approximately four years ago. I am actively involved in the day-to-day operations of Pitt-Ohio and I am thoroughly familiar with its overall operations, facilities, equipment and authority. I am authorized to present this statement to the Commission in support of our company's application pending at Docket No. A. 102471, F. 1, Am-D.

3. Applicant's Affiliation with Other Carriers.

Certain shareholders, officers and directors of applicant have interests in the affairs of Hammel's Express, Inc. (Hammel's).

A. Pitt-Ohio Express, Inc.

Charles L. Hammel, III owns 33 1/3 percent of the issued and outstanding stock and is President and a Director. Robert F. Hammel owns 33 1/3 percent of the stock and is Secretary-Treasurer and a Director. Kenneth W.

Hammel owns 33 1/3 percent of the stock and is Vice President and a Director. No other person has any ownership interest in or is an officer or director of Pitt-Ohio.

B. Hammel's Express, Inc.

Charles L. Hammel, III, Robert F. Hammel and Kenneth W. Hammel each own 12 percent of the issued and outstanding stock of Hammel's which is a motor common carrier that holds authority from this Commission at Docket No. A. 88995.

Charles L. Hammel, Jr. owns 54 percent of the issued and outstanding stock and is President, Treasurer and a Director. Katherine A. Hammel, the wife of Charles L. Hammel, Jr., owns 10 percent of the stock and is Vice President and a Director. Marie A. Hammel, the mother of Charles L. Hammel, Jr., is Corporate Secretary and a Director.

The affiliation between applicant and Hammel's is based on the fact that the three shareholders in the applicant also hold minority stock interests in Hammel's.

4. Authority Sought.

By this application, applicant seeks common carrier authority as follows:

To transport, as a Class D carrier, property (excluding property in bulk and household goods) for Union Carbide Corporation, between points in Pennsylvania.

5. General Scope of Currently Authorized Operations.

Applicant is currently authorized by this Commission to conduct operations in Pennsylvania as a motor common carrier under authority at Docket No. A. 102471, as follows:

To transport, as a Class D carrier, such commodities as are dealt in by retail shoe stores, from the distribution facility of Kinney Service Corp., in the Township of Hampden, Cumberland County, to points in the Counties of Allegheny, Beaver, Butler, Lawrence, Armstrong, Westmoreland, Fayette and Washington.

It is also authorized at Docket No. A. 102471, F.1, Am-A to conduct motor common carrier operations as follows:

To transport, as a Class D carrier, property, from the facilities of USCO Distribution Services, Inc., located in the Borough of McKees Rocks, Allegheny County, to points in Pennsylvania, and vice versa;

subject to the following conditions:

1. That no right, power or privilege is granted to transport commodities in bulk.
2. That no right, power or privilege is granted to transport household goods in use.

In addition, applicant is authorized by the Interstate Commerce Commission to transport general commodities (except Classes A and B explosives, household goods as defined by the Commission, and commodities in bulk), between points in 18 eastern states and the District of Columbia at Docket No. MC-30136 (Sub-No. 2). The authority extends from Massachusetts in the northeast to Wisconsin and Missouri in the west, and as far south as North Carolina. Under this authority applicant is authorized to provide service between all points in Pennsylvania on an interstate basis.

6. Duplicating Authority Which Will Result From Grant of Authority.

Applicant does not hold any permanent authority to provide service for the supporting shipper and will not receive any duplicating authority as a result of a grant of this application.

7. Dual Operations Resulting From Grant of Authority.

Approval of this application will not result in any dual operations since applicant does not hold any contract carrier authority from this Commission.

8. Pertinent Terminal Facilities and Communications Network.

Applicant's main office is located at 27th & A.V.R.R., Pittsburgh, PA. At this location it maintains office facilities and has a parking area for several vehicles. There is a 29 door terminal facility at this location which is used by Hammel's. Applicant's use of the terminal facilities for freight handling purposes is essentially limited to the use of the dock facilities to interline traffic with other motor carriers. Applicant itself does not conduct any dock handling operations of freight at Pittsburgh in the sense that vehicles are unloaded, the freight worked over the dock, and then reloaded on other of applicant's vehicles.

Applicant also maintains a terminal near the Pennsylvania-Ohio state line in the vicinity of Darlington Township, Beaver County, PA and East Palestine, Columbiana County, Ohio. Applicant refers to this as its East Palestine, Ohio terminal.

Applicant leases 16 doors of the complete terminal, as well as office space and a parking area. This terminal is used to handle virtually all of the intrastate and interstate less-than-truckload traffic handled by the applicant.

Applicant also maintains an eight door terminal in Paulsboro, New Jersey. That terminal is equipped to handle both LTL and truckload traffic, and is situated so as to serve the eastern Pennsylvania, New Jersey and Delaware areas.

Applicant's operation is set up on a direct dispatch system in order to facilitate the providing of equipment and service to customers. After delivery of a shipment drivers are instructed to call the main office for instructions concerning the pickup of return loads, if arrangements have not already been made. Applicant maintains direct telephone communications with its customers in order to coordinate the flow of equipment. Pitt-Ohio maintains almost daily contact with the supporting shipper and will be able to provide service to it on short notice and in an efficient manner.

9. Pertinent Equipment.

There is attached to my statement as Appendix 1 a list of the equipment operated by the applicant. The Appendix indicates for each piece of equipment the company number, year, make, registration number, whether owned or leased, and the original cost of the equipment. All of the leased equipment is leased by applicant from Martera, Inc.

which is an equipment leasing company whose stock is owned by Charles L. Hammel, Jr. (54%), Katherine A. Hammel (10%), and their three daughters, my sisters, (each 12%).

The company operates 20 straight trucks (identified by an asterisk next to the company number), 14 closed van trailers (the T series equipment), and 20 tractors.

10. Safety Program.

Applicant maintains a complete safety program which is conducted in compliance with the safety regulations of the Pennsylvania Department of Transportation, the Federal Department of Transportation, the Pennsylvania Public Utility Commission and the Interstate Commerce Commission. Under this program all drivers are investigated and examined prior to employment. Before a driver is allowed to take charge of the road equipment, he must successfully demonstrate his ability to operate safely such equipment. During the time of his employment he is periodically given safety instructions that require him to meet certain high standards of operation. Our program also includes safety meetings at which films are shown and discussions conducted concerning the safe operation of equipment.

Pitt-Ohio has implemented a preventive maintenance program which requires the checking and servicing of equipment on a regular basis. Every vehicle is given a routine service check every 12,000 miles to insure that it is safe to operate and to avoid possible breakdowns while on the road. We operate a maintenance facility at our main terminal in Pittsburgh which is equipped with two bays for servicing equipment.

Insurance is maintained by Pitt-Ohio in excess of the Commission's requirements.

11. Type of Service Currently Provided to the Supporting Shipper.

Applicant does not hold any authority currently from this Commission to provide service for the supporting shipper. However, Pitt-Ohio is authorized pursuant to its interstate certificate to transport general commodities for Union Carbide between all points in 18 states and the District of Columbia. Interstate shipments are being handled for Union Carbide on a regular basis within this authorized territory.

12. Type of Service to be Offered.

Pitt-Ohio is familiar with the transportation requirements of the shipper and is experienced in handling its freight. Service will be made available generally on a five day per week basis during normal business hours. In unusual circumstances the shipper will be able to obtain pickup and/or delivery service at other than normal business hours Monday through Friday, and on weekends and holidays.

Pitt-Ohio is aware that since the supporting shipper is engaged in the production of various commodities which are sold throughout Pennsylvania, the timely distribution of the products is essential to its operations. Pitt-Ohio intends to provide Union Carbide with a scheduled pickup and scheduled delivery service. This will involve making equipment available at the pickup and delivery points at pre-

designated times so as to avoid congestion, and facilitate the loading and unloading procedures of both the shipper and the receiver. Service will be made available in connection with both outbound and inbound traffic for the shipper.

Pitt-Ohio intends to make available to Union Carbide a split pickup service involving any combination of its facilities as the need may arise. It will also provide a multiple stop-off delivery service to any compatible combination of destinations.

Insofar as truckload traffic is concerned, applicant intends to provide an overnight delivery service between any two points in Pennsylvania. On less-than-truckload traffic, it proposes to provide as a general rule an overnight delivery service between points which are located within approximately 150 miles of each other, and a second day delivery service for all the other points.

Depending upon the nature of the commodity involved, applicant will make available to the supporting shipper refrigerated and heated trailers in order to protect the commodities from damage due to weather conditions. Applicant intends to continue working closely with the supporting shipper and will make whatever adjustments are necessary in its service from time to time in order to meet any changing needs of the shipper in the future.

13. Financial Data.

There is attached to my statement as Appendix 2 the comparative financial statements of the applicant for calendar years 1981 and 1982 which are the latest available. The balance sheet portion of the financial statement shows that the total shareholders' equity more than doubled from December 31, 1981 to December 31, 1982. It also shows that in both years the company operated at a profit and that in 1982 its income from freight revenue increased by approximately 33% and that its retained earnings almost tripled. Because of the growth of the company additional commitments in equipment and terminal facilities were incurred in 1982.

The financial documents show that Pitt-Ohio is financially able to provide the proposed service. It does not anticipate that any additional equipment, facilities or employees will be necessary to serve Union Carbide.

14. Feasibility of Operations.

As illustrated by the statement of the supporting shipper, it has a greater volume of traffic outbound to points in Pennsylvania than inbound to its facilities from suppliers and vendors. To that extent, the operations encompassed by the authority here proposed will not be totally in balance on a load for load basis. However, applicant does hold extensive interstate operating authority and is currently generating interstate freight throughout Pennsylvania. Therefore, vehicles which are delivering freight for the supporting shipper at points in Pennsyl-

vania will be available for assignment to handle interstate traffic so as to eliminate to the greatest extent possible any deadhead mileage. Likewise, on inbound shipments it will not be necessary to dispatch empty equipment to a distant point for pickup. Applicant instead will use equipment which is terminated in the vicinity of the shipper of the inbound traffic and that equipment will be used to handle the freight inbound to the supporting shipper. In that way, maximum utilization will be made of the equipment and empty miles will be kept to an absolute minimum. It is in applicant's best interests from the standpoint of efficiency and economy to conduct its operations in such a way that empty mileage is kept to an absolute minimum.

APPENDIX 1

PITT-OHIO EXPRESS, INC.OWNED & LEASED EQUIPMENT LIST

<u>Co. No.</u>	<u>Year</u>	<u>Make</u>	<u>Registration</u>	<u>Owned-O Leased-L</u>	<u>Original Cost</u>
* 43	1977	Mercedes Benz	34403012323406	L	\$18,195.00
* 47	1978	Mercedes Benz	34403012381014	L	20,100.00
* 48	1979	Mercedes Benz	34403012442447	L	19,367.00
* 49	1979	Mercedes Benz	34403012409764	L	19,367.00
* 54	1979	Mercedes Benz	34403012442468	L	19,367.00
* 55	1979	Mercedes Benz	34402012432735	L	19,367.00
* 56	1979	Mercedes Benz	34403012432744	L	19,367.00
* 57	1979	Mercedes Benz	34403012442456	L	19,367.00
* 58	1979	Mercedes Benz	34403012427573	L	19,367.00
* 200	1982	Mack	LB015591	O	24,500.00
* 201	1982	Mack	LB015361	O	24,500.00
* 202	1982	Mack	LB015381	O	24,500.00
* 203	1982	Mack	LB015413	O	24,500.00
* 204	1982	Mack	LB015406	O	24,500.00
* 100	1981	GMC	1GDL7D1F1BV555625	O	27,788.00
* 101	1981	GMC	1GDL7D1G2BV557196	O	22,500.00
* 102	1981	GMC	1GDL7D1F6BV568273	O	27,788.00
T522	1979	Fruehauf	HPV-665404	L	10,600.00
T524	1979	Fruehauf	HPV-665403	L	10,600.00
T600	1982	Fruehauf	1H2V0452XBH056708	L	12,895.00
T601	1982	Fruehauf	1H2V04521BH056709	L	12,895.00
T602	1982	Fruehauf	1H2V04528BH056710	L	12,895.00
T603	1982	Fruehauf	1H2V0452XBH056711	L	12,895.00
T604	1982	Fruehauf	1H2V0452XBH056712	L	12,895.00
T605	1982	Fruehauf	2BH056736	L	13,350.00
T606	1982	Fruehauf	2BH056737	L	13,350.00
T607	1982	Fruehauf	2BH056738	L	13,350.00
T608	1982	Fruehauf	2BH056739	L	13,350.00
T609	1982	Fruehauf	2B11056740	L	13,350.00
T528	1979	Strick	235927	L	10,645.00
T530	1979	Strick	235928	L	10,645.00
6	1977	Ford	W90UVX87823	L	23,000.00
15	1972	GMC	THM73ZV502833	L	10,250.00
50	1979	GMC	T49CJ9V591662	L	34,400.00
51	1979	GMC	T49CJ9V591663	L	34,400.00
52	1979	GMC	T49CJ9V625038	O	34,400.00
53	1979	GMC	T49CJ9V625037	O	34,400.00
* 59	1979	Mercedes Benz	344030-12-450581	L	19,367.00
* 60	1979	Mercedes Benz	344030-12-450638	L	19,367.00
* 61	1979	Mercedes Benz	344030-12-450582	L	19,367.00
D-6	1981	Mack	2M2W128Y7BC016586	O	42,000.00
D-7	1981	Mack	2M2W128Y9BC016587	O	42,000.00
D-5	1981	Mack	1M2W130B5BA020313	O	42,000.00
D-8	1983	Mack	4213	O	42,000.00
D-9	1978	Mack	4214	O	42,000.00
D-10	1983	Mack	2M2N166YXDC087709	O	42,000.00

PITT OHIO EXPRESS, INC.

OWNED & LEASED EQUIPMENT LIST

<u>Co. No.</u>	<u>Year</u>	<u>Make</u>	<u>Registration</u>	<u>Owned-O</u> <u>Leased-L</u>	<u>Original Cost</u>
D-11	1982	Mack	2M2W129Y8CC016636	O	\$42,000.00
D-12	1983	Mack	2M2N166Y6DC087710	O	42,000.00
D-14	1983	Mack	2M2N166Y8DC087711	O	42,000.00
D-15	1983	Mack	87714	O	42,000.00
D-16	1983	Mack	87683	O	42,000.00
D-17	1983	Mack	87684	O	42,000.00
D-18	1983	Mack	87606	O	42,000.00
D-19	1983	Mack	87607	O	42,000.00

APPENDIX 2

PITT-OHIO EXPRESS, INC.

COMPARATIVE FINANCIAL STATEMENTS - UNAUDITED

FOR THE

YEARS ENDED DECEMBER 31, 1982 AND 1981

JOSEPH L. BENDER, P.C.
Certified Public Accountant

1876 Stage Court
Allison Park, PA 15101
412 364-5333

The Board of Directors of
Pitt-Ohio Express, Inc.

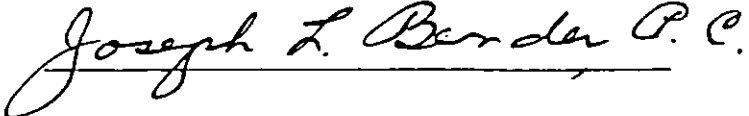
We have reviewed the accompanying comparative balance sheet of

PITT-OHIO EXPRESS, INC.

as of December 31, 1982 and 1981, and the related statements of income, retained earnings and changes in financial position for the years then ended, in accordance with standards established by the American Institute of Certified Public Accountants. All information included in these financial statements is the representation of the management.

A review consists principally of inquiries of company personnel and analytical procedures applied to financial data. It is substantially less in scope than an examination in accordance with generally accepted auditing standards, the objective of which is the expression of an opinion regarding the financial statements taken as a whole. Accordingly, we do not express such an opinion.

Based on our review, we are not aware of any material modifications that should be made to the accompanying financial statements in order for them to be in conformity with generally accepted accounting principles.



Joseph L. Bender P.C.

Allison Park, Pennsylvania

February 16, 1983

PITT-OHIO EXPRESS, INC.

COMPARATIVE BALANCE SHEET - UNAUDITED

<u>ASSETS</u>	<u>December 31,</u>	
	<u>1982</u>	<u>1981</u>
<u>CURRENT ASSETS</u>		
Cash in Bank	\$ 77,311	\$ 146,693
Accounts Receivable - Customers	142,395	91,766
Accounts Receivable - Other	10,134	None
Prepaid Items	13,775	4,292
Material & Supplies	12,911	None
<u>TOTAL CURRENT ASSETS</u>	<u>256,526</u>	<u>242,751</u>
<u>FIXED ASSETS AT COST</u>		
Revenue Equipment - D	399,055	118,076
Office Equipment	211	211
Leasehold Improvements	3,188	3,188
	<u>402,454</u>	<u>121,475</u>
Less: Allowance for Depreciation	85,834	20,207
	<u>316,620</u>	<u>101,268</u>
<u>OTHER ASSETS</u>		
Franchises & Organization Costs - E - F	101,173	1,173
Other Intangible Assets - C	None	125,000
	<u>101,173</u>	<u>126,173</u>
Less: Allowance for Amortization	50,841	109,164
	<u>50,332</u>	<u>17,009</u>
<u>TOTAL ASSETS</u>	<u>\$ 623,478</u>	<u>\$ 361,028</u>
<u>LIABILITIES AND SHAREHOLDERS' EQUITY</u>		
<u>CURRENT LIABILITIES</u>		
Equipment Obligations - D	\$ 14,336	\$ 40,000
Accounts Payable	105,368	31,847
Interline Accounts Payable	1,023	235
Payroll Deductions	3,241	1,948
Accrued Salaries & Wages	74,003	71,423
C.O.D.'s Payable	118	None
Accrued Taxes	8,237	4,378
Other Accrued Liabilities	30,406	22,636
Federal & State Income Taxes	18,385	34,371
<u>TOTAL CURRENT LIABILITIES</u>	<u>255,117</u>	<u>206,838</u>
<u>LONG-TERM DEBT</u>		
Note Payable - Other - D	28,676	None
<u>SHAREHOLDERS' EQUITY</u>		
Common Stock	50,000	50,000
Retained Earnings	289,685	104,190
<u>TOTAL SHAREHOLDERS' EQUITY</u>	<u>339,685</u>	<u>154,190</u>
<u>TOTAL LIABILITIES AND SHAREHOLDERS' EQUITY</u>	<u>\$ 623,478</u>	<u>\$ 361,028</u>

The accompanying footnotes are an integral part of these statements.
See Accountants' Review Report.

PITT-OHIO EXPRESS, INC.

COMPARATIVE STATEMENT OF INCOME AND RETAINED EARNINGS - UNAUDITED

<u>INCOME</u>	<u>December 31,</u>	
	<u>1982</u>	<u>1981</u>
Freight Revenue	\$ 1,995,766	\$ 1,482,214
C.O.D. Fees	<u>2,520</u>	<u>867</u>
<u>TOTAL REVENUE</u>	<u>1,998,286</u>	<u>1,483,081</u>
<u>EXPENSES</u>		
Salaries - Officers	82,200	71,150
Salaries & Wages	522,307	304,528
Other Fringes	89,351	70,079
Operating Supplies & Expenses	338,386	168,393
General Supplies & Expenses	37,766	27,469
Operating Taxes & Licenses	54,816	23,035
Insurance	64,708	51,881
Communications & Utilities	29,911	21,296
Depreciation & Amortization	102,304	60,743
Equipment Rents & Purchased Transportation	477,085	520,696
Building & Office Equipment Rents	15,450	8,050
Miscellaneous Expenses	<u>17,540</u>	<u>6,660</u>
<u>TOTAL EXPENSES</u>	<u>1,831,824</u>	<u>1,333,980</u>
<u>NET OPERATING REVENUE</u>	166,462	149,101
<u>OTHER INCOME & EXPENSES</u>		
Interest Income	14,126	5,943
Interest Expense	<u>(4,085)</u>	<u>(2,897)</u>
<u>NET PROFIT BEFORE INCOME TAXES</u>	176,503	152,147
Federal & State Income Taxes	<u>39,470</u>	<u>41,040</u>
<u>NET INCOME</u>	137,033	111,107
<u>RETAINED EARNINGS - BEGINNING OF YEAR</u>	104,190	(10,728)
Federal Tax Refund	None	3,811
Prior Period Adjustment	<u>48,462</u>	<u>None</u>
<u>RETAINED EARNINGS - END OF YEAR</u>	<u>\$ 289,685</u>	<u>\$ 104,190</u>

The accompanying footnotes are an integral part of these statements.
See Accountants' Review Report.

PITT-OHIO EXPRESS, INC.

COMPARATIVE STATEMENT OF CHANGES IN FINANCIAL POSITION - UNAUDITED

	<u>December 31,</u>	
<u>SOURCE OF WORKING CAPITAL</u>	<u>1982</u>	<u>1981</u>
Net Income	\$ 137,033	\$ 111,107
Depreciation of Fixed Assets	65,627	18,844
Amortization of Covenant	16,442	41,664
Amortization of Organization Expense	235	235
Amortization of Operating Rights	20,000	None
<u>WORKING CAPITAL PROVIDED FROM OPERATIONS</u>	<u>239,337</u>	<u>171,850</u>
Additions to Long-Term Debt	43,012	None
Prior Period Adjustment	48,462	3,811
Decrease in Working Capital	34,504	7,915
	<u>\$ 365,315</u>	<u>\$ 183,576</u>
<u>APPLICATION OF WORKING CAPITAL</u>		
Additions to Franchises	\$ 70,000	\$ None
Additions to Property, Plant & Equipment	280,979	118,076
Current Maturity of Long-Term Debt	14,336	65,500
Increase in Working Capital	None	None
	<u>\$ 365,315</u>	<u>\$ 183,576</u>
<u>CHANGES IN WORKING CAPITAL</u>		
Increases (Decreases) in Current Assets		
Cash	\$(69,382)	\$ 116,403
Notes & Accounts Receivable	60,763	21,715
Other Current Assets	22,394	(5,540)
	<u>13,775</u>	<u>132,578</u>
Decreases (Increases) in Current Liabilities		
Notes Payable	25,664	(15,000)
Accounts Payable	(73,521)	(5,947)
Federal & State Income Taxes	15,986	(34,371)
Other Current Liabilities	(16,408)	(85,175)
	<u>(48,279)</u>	<u>(140,493)</u>
<u>NET INCREASE (DECREASE) IN WORKING CAPITAL</u>	<u>\$(34,504)</u>	<u>\$(7,915)</u>

The accompanying footnotes are an integral part of these statements.

See Accountants' Review Report.

PITT-OHIO EXPRESS, INC.

NOTES TO FINANCIAL STATEMENTS - UNAUDITED

FOR THE YEARS ENDED DECEMBER 31, 1982 AND 1981

NOTE A - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

The financial statements of the Corporation are prepared on the accrual basis of accounting, consistent with reporting for federal income tax purposes.

Property is recorded at cost. Depreciation is provided for on the straight-line method based upon the estimated useful lives of the assets. Assets acquired after January 1, 1981 are being depreciated according to the new accelerated cost recovery system, as defined in the Economic Recovery Tax Act of 1981.

NOTE B - LEASE AGREEMENTS

The Corporation leases revenue equipment on a monthly basis with rentals amounting to \$110,438 and \$84,650 for 1982 and 1981, respectively.

The Corporation also leases terminal facilities with rentals amounting to \$15,450 and \$8,050 for 1982 and 1981, respectively. This lease is for a period of 60 months.

NOTE C - COVENANT NOT TO COMPETE

On May 22, 1979, the Corporation entered into a covenant not to compete agreement with Vincent White for a total consideration of \$125,000. \$75,000 of this total was paid on May 22, 1979 with the balance of \$50,000 payable in two equal installments of \$25,000, due January 1, 1980 and January 1, 1981. These payments are without interest. The January 1, 1980 payment was made on December 28, 1979 and the January 1, 1981 payment was made on December 29, 1980. This agreement is being amortized over thirty-six months.

NOTE D - NOTES PAYABLE

The debt due Martera, Inc. is subject to interest at 8% for 1983.

	<u>1982</u>		<u>1981</u>	
	<u>Current</u>	<u>Long-Term</u>	<u>Current</u>	<u>Long-Term</u>
Martera, Inc.	<u>\$ 14,336</u>	<u>\$ 28,676</u>	<u>\$ 40,000</u>	<u>\$ None</u>
<u>Total</u>	<u>\$ 14,336</u>	<u>\$ 28,676</u>	<u>\$ 40,000</u>	<u>\$ None</u>

PITT-OHIO EXPRESS, INC.

NOTES TO FINANCIAL STATEMENTS - UNAUDITED

FOR THE YEARS ENDED DECEMBER 31, 1982 AND 1981

NOTE E - AMORTIZATION OF ORGANIZATIONAL EXPENSES

Pursuant to regulation 1.248-1(c), the Corporation elects to amortize organizational expenses over a sixty-month period beginning with May 1, 1979. Organizational expenses amounted to \$1,173.

NOTE F - FRANCHISES

The Corporation is writing off the cost of the Interstate Commerce Commission operating rights resulting from the enactment of the Motor Carrier Act of 1980 and the deregulation of motor carriers. This is being done over a sixty-month period beginning with July 1, 1980.

See Accountants' Review Report.

AFFIDAVIT

STATE OF PENNSYLVANIA)
) ss:
COUNTY OF ALLEGHENY)

Robert F. Hammel, being duly sworn according to law, deposes and says that he has read the foregoing statement, knows the contents thereof, and that the same are true as stated.

Robert F. Hammel

Robert F. Hammel

Sworn to and subscribed before me

this 5th day of October, 1983.

Robert E. Taylor

Notary Public

My commission expires:

ROBERT E. TAYLOR, NOTARY PUBLIC
PITTSBURGH, ALLEGHENY COUNTY
MY COMMISSION EXPIRES JUNE 29, 1987
Member, Pennsylvania Association of Notaries

III. VERIFIED STATEMENT OF ARTHUR J. McCORMACK
FOR UNION CARBIDE CORPORATION

1. Legal Name and Domicile of Supporting Shipper.

Union Carbide Corporation (Union Carbide) is a corporation which has its main office in Danbury, Connecticut. The address is Old Ridgebury Road, A-1, Danbury, Connecticut 06817.

2. Identity and Qualifications of Witness.

My name is Arthur J. McCormack. I am a Transportation Analyst for Union Carbide Corporation. My office is located in Danbury, Connecticut.

I work in the Corporate Distribution Department of Union Carbide and am a Transportation Analyst with respect to motor carrier transportation. It is my responsibility to ensure that Union Carbide has adequate motor carrier service available to it. Insofar as this application of Pitt-Ohio Express, Inc. is concerned, I am familiar with Union Carbide's transportation needs within the state of Pennsylvania, believe that there is a need for the proposed service, and have been authorized by Union Carbide to present this statement to the Pennsylvania Public Utility Commission in support of the application of Pitt-Ohio Express, Inc. at Docket No. A. 102471, Folder 1, Am-D.

3. General Description of Supporting Shipper.

Union Carbide is among the nation's 30 largest industrial companies with sales of approximately \$10 Billion. Its major lines of business include commodity and specialty

DOCKETED
APPLICATION DOCKET
DEC 9 1983
ENTRY No. *112*

chemicals and plastics, industrial gases, carbons, metal mining and milling, electronics and a line of products sold directly to the consumer.

Union Carbide is a major multinational company with about one-third of its sales coming from international operations. The company employs more than 100,000 people, operates about 500 plants, mines and mills in 38 countries, and has more than 160,000 stockholders.

There is attached to my statement as Appendix 1 a copy of the Union Carbide Product Directory for 1982. This Directory is still effective and sets forth a number of pertinent facts concerning the commodities dealt in by Union Carbide, and the locations of its sales offices and production facilities.

Pages 3-11 of Appendix 1 contain an alphabetical listing of Union Carbide products. The commodities which will be tendered to the applicant upon approval of this application could include all of these commodities with the exception of any that would be transported in bulk requiring some type of bulk vehicle. Page 12 of Appendix 1 sets forth the various trademarks of Union Carbide which are used in connection with its various products. Those which are used in connection with commodities sold directly to consumers include Eveready brand dry cell batteries, Prestone brand anti-freeze and coolant, Glad brand plastic household wrap and bags, and Simoniz brand car waxes and polishes.

Pages 13-16 of Appendix 1 contain a numbered listing of Union Carbide's 17 operating divisions. Under each division heading there is set forth a brief description of the commodities dealt in by the particular division, the location of sales offices dealing with the commodities of that division, and the location of plants and warehouses which are involved with the commodities of the particular division.

4. Volume and Frequency of Intended Use.

It is anticipated that 1,000,000 pounds of freight per month will be available for transportation by the applicant between points in Pennsylvania. The need for applicant's proposed service has been brought about by the fact that Union Carbide customers are reducing the sizes of their orders and are maintaining lower inventories of product lines than in the past. In order to accommodate these changing conditions, Union Carbide can no longer depend upon motor common carriers to handle shipments on an interstate basis from points outside Pennsylvania to customer locations in Pennsylvania, or to handle outbound shipments from supply points in Pennsylvania to interstate destinations. Instead, Union Carbide must consolidate the small orders into truckload shipments and then use its own private fleet from the plant or warehouse location outside Pennsylvania to the customer location within Pennsylvania.

It is not efficient or economically practical for Union Carbide to make pickups and deliveries throughout Pennsylvania. A more efficient transportation system, which is what is contemplated here, is to have Union Carbide's private carriage fleet move shipments from outside Pennsylvania to the applicant's facilities in Pennsylvania from which the applicant will make multiple deliveries to customers throughout the state. The applicant will also be called upon to make pickups at points in Pennsylvania and take the shipments back to its facilities where they will be assembled into a volume or truckload lot and then handled to points outside Pennsylvania by means of Union Carbide's private carriage.

Since the transportation of this traffic will move in to and out of Pennsylvania by private carriage, the handling of the freight by the applicant within Pennsylvania constitutes intrastate operations which we understand are subject to the jurisdiction of the Pennsylvania Public Utility Commission.

In addition, there will be occasions when there will be shipments tendered to the applicant for handling by it solely between points in Pennsylvania. Some of Union Carbide's suppliers are located in Pennsylvania and they occasionally make shipments direct to our customers. The authority being requested by the applicant will enable it to handle this type of traffic also. Based on our projections there will be a greater volume of traffic moving

to customers in Pennsylvania for ultimate delivery than in the reverse direction.

5. Specific or Representative Origins and Destinations.

Attached to my statement as Appendix 2 is a list of representative origins and destinations in Pennsylvania to and from which Union Carbide makes regular shipments. This list is only representative and there are many other origins and destinations in Pennsylvania to and from which the applicant's service will be used.

6. Type of Service Required.

In view of the type of commodities involved, Union Carbide must use motor carriers which operate closed van trailers and closed van straight trucks. This type of equipment is essential in handling less-than-truckload shipments of packaged commodities.

Union Carbide also expects the motor carriers that it uses to provide a fairly complete range of services including scheduled pickups, scheduled deliveries, multiple stop-off deliveries, split pickups, and relatively quick over-the-road service in order to keep transit times to a minimum. As I previously stated, our customers are maintaining smaller inventories of products and therefore require more frequent replenishment of those inventories. Our overall objective is to make certain that each customer in Pennsylvania has available to it without interruption a full range of the commodities in which it deals.

7. Similar Applications Supported.

Union Carbide is supporting a similar application by
Mushroom Transportation Co., Inc.

UNION
CARBIDE

Product Directory 1982

1982 Union Carbide Product Directory

Issued by Headquarters Corporate Information Center

About Union Carbide

UNION CARBIDE CORPORATION is among the nation's 30 largest industrial companies with sales of nearly \$10 billion. Its major lines of business include commodity and specialty chemicals and plastics, industrial gases, carbons, metal mining and milling, electronics and a line of products sold directly to the consumer. The latter includes *Eveready* brand dry cell batteries, *Prestone* brand antifreeze and coolant, *Glad* brand plastic household wrap and bags and *Simoniz* brand car waxes and polishes. Union Carbide is a major multinational company with about one-third of its sales coming from international operations. The company employs more than 100,000 people, operates about 500 plants, mines and mills in 38 countries, and has more than 160,000 stockholders.

How to use this Directory

This Directory is a comprehensive list of products offered by the business units of Union Carbide which will enable you to easily locate the appropriate source of the product(s) you require.

The Directory is divided into two sections. The first section, beginning on page 3, is an alphabetical listing of Union Carbide products. The second section, beginning on page 13, is a numbered listing of our business units with addresses and telephone numbers of their respective sales offices in the United States. This is followed by a listing of our sales offices in Canada.

Opposite each product in section one are key numbers which correspond with the number assigned to the business unit(s) from which these products can be obtained.

Specific requests for information should be directed to the nearest sales office handling the product you seek.

For Further Assistance

We would like to fill your needs. We hope this Directory will make it easy for you to contact us in the appropriate location. If you are unable to find a product or if further assistance is needed, one of our four Regional Information Centers will be pleased to help:

Danbury, CT 06817

Old Ridgebury Road
(203) 794-5300

Chicago, IL 60606

120 S. Riverside Plaza
(312) 454-2022

Houston, TX 77046

2 Greenway Plaza E.
(713) 840-6000

Long Beach, CA 90802

100 Oceangate
(213) 435-3721

A

Abrasion-Resistant Coatings - 11
 Abrasives, Alumina - 11
 Absorbers, Corrosion Resistant - 3
 Acetic Acid - 4
 Acetic Anhydride - 4
 Acetone - 16
 Acetophenone - 16
 Acetylacetone (2,4, Pentanedione) - 17
 Acetylene
 Acetylene - 11
 Cylinders - 11
 Acid
 Absorbers - 3
 Diluting Equipment - 3
 Resistant Carbon and Graphite - 3
 Acids - 4
 Acrolein - 4
 Acrylic Acid - 4
 Additive
 Automotive Gas Additive - 10
 Low Profile - 17
 Rapid Water - 17
 Adhesion Promoters - 15
 Adhesives Materials - 4
 Adsorbents
 Molecular Sieves, LINDE
 MOLSIV Adsorbents - 11
 Agricultural
 Herbicides - AMIBEN - 1
 Insecticide, SEVIN Carbaryl - 1
 Intermediates, Reactants, Solvents,
 Surfactants - 7
 Pesticide, TEMIK 10G Aldicarb - 1
 Plant Growth Regulators, ETHREL - 1
 Weed Control Products - 1
 Air - 11
 Air
 Pollution Control - 11
 Purification Systems - 11
 PURASIV Hg for Hg Emissions
 PURASIV HR for Hydrocarbon
 Removal and Recovery - 16
 PURASIV N for NOx Emissions
 PURASIV S for SOx Emissions
 Separation Plants - 11
 Air-Acetylene Torches - 11
 Aircraft Deicing Fluid, UCAR - 8
 Air-Propane Torches - 11
 Alcohols - 16
 Aldehydes - 16
 Aldicarb Pesticide, TEMIK 10G - 1
 Alkaline Batteries, Dry, Primary, and
 Rechargeable, EVEREADY - 2
 Alkali-Resistant Materials - 3
 Alkyl Alkanolamines - 7, 17
 Alkylates, UCARE - 7
 Allene - 11
 Alloying
 Agents - 12
 Plungers, Graphite - 3
 Alloys
 Boron - 12
 Briquetted - 12
 Calcium - 12
 Chromium - 12
 Deoxidizing - 12
 Hard-Facing - 11
 Ladle-Addition - 12
 Manganese - 12
 Silicon - 12
 Tungsten - 12
 Vanadium - 12
 Zirconium - 12
 Allyl Methacrylate - 17
 Alumina Powders - 11
 Aluminum Coatings - 11
 Aluminum Oxide Coatings - 11
 Aluminum-Vanadium, VO - 12
 AMIBEN Herbicide - 1
 Amine Guard, UCAR - 11
 Amines - 7, 17
 For Gas Treatment - 17
 N-Aminoethylethanolamine - 7
 N-Aminoethyl Piperazine - 7
 Ammonia - 11

Ammonium Metavanadate
 (High Purity and Technical Grade) - 12
 Ammonium Paratungstate - 12
 Amyl Acetate, Primary - 16
 Amyl Alcohol, Primary - 16
 ANHYDROL Special Industrial
 Solvent - 16
 Annealing - 11
 Anodes
 Carbon and Graphite - 3
 Carbon and Graphite, Electrolytic - 3
 Cathodic Protection, Graphite - 3
 Tubular Graphite - 3
 Anticorrosion Agents - 7, 17
 Antidusting Agents
 DUSTBINDER Dust Control Agent - 17
 Antifoaming Agents - 15
 Anti-Freeze
 Automotive - 10
 For Cooling System - 10
 For Fuel System,
 PRIME Gas Dryer - 10
 Industrial Engine UCAR Thermostat 17 - 8
 PRESTONE II Winter-Summer
 Anti-Freeze Coolant - 10
 Windshield Washer - 10
 WINTER FLO Coat Aids - 17
 WINTER FLO Release Agents - 17
 Antimicrobials, UCARCIDE - 17
 Antirust and Water Pump Lubricant,
 PRESTONE - 10
 Anti-Static Agents - 15
 Aquatic
 Ecology - 11
 Toxicology - 11
 Arc Gouging, LINDE
 Electrodes - 11
 Equipment - 11
 Arc Light Carbons - 3
 ARDEL Polyarylate - 17
 Argon
 Gas and Liquid - 11
 Oxygen Decarburization Process - 11
 Aromatics
 TETRA Recovery Process - 11
 Arsine - 11
 Asbestos, CALIDRIA - 12
 Automotive Products - 10
 AUTOSEPTIC Surfactants - 7

B

Bags, Plastic
 Disposer Size, GLAD - 10
 Food Storage Size, GLAD - 10
 Garbage Size, GLAD - 10
 Garbage Size, Kitchen,
 Large, GLAD, HANDLE-TIE - 10
 Grocery Carry Out - POLYSAK - 10
 Lawn Cleanup Size, GLAD - 10
 Multilayer Shrinkable - 9
 Polyethylene Shrinkable for Food - 9
 PVC - 9
 Sandwich Size, GLAD - 10
 Shrink - 9
 Trash Size, GLAD - 10
 Wastebasket Size, GLAD - 10
 Water-Soluble, POLYOX - 17
 BAKELITE
 Polyethylene Resins and Compounds - 14
 Resins and Compounds - 4, 17
 Viscosity Reducer VR 3 - 17
 BANDEL Plastic Film - 9
 Barium Getters
 KEMET - 5A
 LINDE - 11
 Barium Sodium Niobate - 5B
 Batteries
 EVEREADY; ENERGIZER; HERCULES;
 HOT SHOT; IGNITOR; MINI-MAX; CAT
 DEVICE; POWER TO SPARE - 2
 Alkaline, Primary and Rechargeable - 2
 Clock - 2
 Dry Cell - 2
 Electronic and Industrial
 Applications - 2
 Emergency Lighting - 2
 Flash, Electronic and Photo - 2
 Flashlight - 2
 General Purpose - 2
 Hearing Aid - 2
 Hobby - 2
 Lantern - 2
 Lithium - 2
 Manganese Dioxide - 2
 Mercury - 2
 Micro-Television - 2
 Nickel-Cadmium Rechargeable - 2
 Photographic - 2
 Protective Alarm - 2
 Radio - 2
 Silver Oxide - 2
 Transistor - 2
 Watch - 2
 Battery Separators, Alkaline - 9
 Bayonet-Type Graphite Heaters - 3
 Beams, Carbon and Graphite - 3
 Bearing Plates, Self-Lubricating - 3
 Bearings, Carbon and Graphite - 3
 Bicyclononadiene - 15
 Binders
 Precision Coating Mold - 4
 Resin - 4
 Biocides - 17
 UCARCIDE
 UCARSAN
 Biological Freezing and
 Preservation Equipment - 11
 Bismuth Germanium Oxide - 5B
 Bisphenol A, UCAR - 16
 Blanketing, Nitrogen - 11B
 Blast Furnace Linings and
 Accessories, Carbon - 3
 Blocks, Carbon and Graphite - 3
 Blood
 Preservation Equipment - 11
 Blowing Agents, NIAx - 15
 Blowpipes
 Cutting - 11
 Heating - 11
 Scarfig - 11
 Welding - 11
 Blue Printing Carbons - 3
 Boats
 and Crucibles for Vacuum
 Vaporization of Aluminum, Copper,
 Gold and Silver - 3
 and Trays, Heat Treating - 3
 Boiler Chemicals
 MORLEX Corrosion Inhibitors - 17
 Bonding and Laminating
 Materials - 4
 BORALLOY Pyrolytic Boron Nitride - 3
 Borides, Refractory - 3
 Boron Alloys - 12
 Boron Nitride Powder and Shapes - 3
 Boron-Titanium-Nitrogen
 Composite - 3
 Boron Trichloride - 11
 Boron Trifluoride - 11
 Brake Fluids
 PRESTONE, Hi-Temp - 10
 UCON - 7
 Brazing Equipment PREST-O-LITE - 11
 BRAZO Welding Flux - 11
 Brick, Carbon and Graphite - 3
 "BRIDGMAN" Boats
 Boralloy Pyrolytic Boron Nitride - 3
 Bromine Pentafluoride - 11
 Bromine Trifluoride - 11
 Bromotrifluoroethylene - 11
 Brushes (Electrical), NATIONAL - 3
 Bubble Caps, Corrosion-Resistant - 3
 Burners
 Furnace - 11
 Hydrocarbon (Halogenated Residue
 Disposal System) - 3
 Bushings, Carbon and Graphite - 3
 1,3-Butadiene - 11
 Butane - 11
 Butanol - 16
 1-Butene - 11
 Cis-2-Butene - 11
 Trans-2-Butene - 11
 1-Butoxyethoxy-2-Propanol
 (PROPASOL Solvent BEP) - 17

(continued)

Product Directory

- n-Butoxypropanol (PROPASOL Solvent B) - 17
 Butoxytriglycol - 7
 Butyl Acetate - 16
 Butyl Acrylate - 4
 Butyl CARBITOL - 7
 Butyl CARBITOL Acetate - 7, 16
 Butyl CELLOSOLVE - 7
 Butyl CELLOSOLVE Acetate - 7, 16
 Butyl Chloride - 15, 17
 t-Butyldiethanolamine - 17
 t-Butylethanolamine - 17
 Butylphenol 4T, UCAR - 4
 Butyraldehyde - 16
- C**
- Calcium Alloys - 12
 Calcium Molybdate - 5B
 Calcium Tungstate - 5B
CALIDRIA Asbestos - 12
 Capacitors, **KEMET**
 Ceramic - 5A
 Film - 6A
 Flat-Kaps - 5A
 High Reliability - 5A
 Solid Tantalum - 5A
 Caprolactone Polyols, **NIAX** - 17
 Caprolactone Thermoplastic Polymers - 17
CAPTAIN
 Flashlights and Lanterns - 2
 Car
 Interior Cleaner, **SIMONIZ TUFF STUFF** - 10
 Polish and Cleaner High-Speed
 Silicone, **PRESTONE**; **SIMONIZ** - 10
 Wash, **SIMONIZ**, Quik 'n Kleen - 10
 Wax, **SIMONIZ** - 10
 Wax and Cleaner, **MASTER WAX**;
ROYALE; **SHINES LIKE THE SUN**;
SIMONIZ; **SUPERPOLY**; **VISTA** - 10
 Carb and Choke Cleaner - Purge,
UNION CARBIDE - 10
 Carbaryl Insecticide, **SEVIN** - 1
 Carbide Coatings
 Chrome Carbide, **UCAR** - 11
 Tungsten Carbide, **UCAR** - 11
CARBITOL Acetate; Solvents - 7, 16
 Carbon
 Activated - 3
 Anodes - 3
 Arc Gouging Electrodes - 11
 Beams - 3
 Blast Furnace Linings - 3
 Blocks - 3
 Brick - 3
 Brushes - 3
 Bubble Caps - 3
 Cloth and Felts - 3
 Contacts - 3
 Crucibles - 3
 Cupola Linings - 3
 Electrodes - 3
 Fiber - 3
 Flour and Powder - 3
 Furnace Liner Blocks - 3
 Grill Plates - 3
 Mold Plugs - 3
 Packing, Piston, and Seal Rings - 3
 Paste - 3
 Paste, Welding - 3
 Plates - 3
 Raiser - 3
 Raschig Rings - 3
 Scrap - 3
 Specialties (Chemical) - 3
 Specialties (Mechanical) - 3
 Tank Linings - 3
 Textiles - 3
 Tower Packing - 3
 Tubes (Not impregnated) and Special
 Shapes Used in
 Chemical Industries - 3
 Carbons
 Blueprinting - 3
 Illuminating - 3
 Industrial - 3
 Photoengraving - 3
 Photographic - 3
 Projector - 3
 Searchlight - 3
 Solar Simulation - 3
 Spectroscopic - 3
 Welding (Rods and Plates) - 11
 Carbon Arc Gouging
 Electrodes - 11
 Power Supplies - 11
 Torches - 11
 Carbon Dioxide - 11
 Carbon Monoxide - 11
 Carbonaceous Cement - 3
 Carbonyl Sulfide - 11
CARBOWAX - 7
 550 Acrylate
 Methoxy Polyethylene Glycols
 Polyethylene Glycols
CARBOXIDE Fumigant - 11
 Carburetor
 and Fuel System Cleaner,
UNION CARBIDE - 10
 and Metal Parts Cleaner,
PRESTONE - 10
 Carb and Choke Cleaner - Purge,
UNION CARBIDE - 10
 Carburite (For Recarburizing Steel) - 3
 Carburizing - 11
CARYAN Vanadium - 12
 Cascade Argon; Oxygen; Nitrogen - 11
 Cascade Coolers, **KARBATE** - 3
 Casings
 Cellulosic - 9
 Food - 9
 Plastic - 9
 Processed Meats and Poultry - 9
 Catalyst Carriers
 Activated Carbon - 11
 Molecular Sieve Zeolites - 11
 Catalysts
 Custom - 11
 Molecular Sieve Zeolites - 11
 Urethane - 7, 15, 17
 Cathodic Protection Anodes, Graphite - 3
 Cationic Polymer - 17
CELLOSIZ Hydroxyethyl Cellulose - 4, 17
CELLOSOLVE Acetate; Solvents - 7, 16
 Cellular and Elastomer Materials
 Blowing Agents - 15
 Catalysis - 15, 17
 Isocyanates - 15
 Polyols - 15, 17
 Silicone Surfactants - 15
 Specialty Materials - 15
 Cellulosic Casings - 9
 Cement
 Chemicals - 4
 Chemicals, For Grinding - 8
 Refractory (Carbonaceous) - 3
 Resin-Base, **UCAR** - 3
 Centrifugal Pumps
 Impervious Graphite - 3
 Ceramic
 Alumina, **LINDE** - 11
 Capacitors, **KEMET** - 5A
 Coatings, **UCAR** - 11
 Cermet Coatings - 11
 Charge Chrome - 12
 Chemical
 Plant Apparatus, Machinery, etc.
 (Corrosion-Resistant) - 3
 Processing Equipment, **KARBATE**
 Impervious Graphite - 3
 Processing Units, Corrosion- and
 Heat-Resistant - 3
 Specialties - 17
 Chemicals - 4, 7, 17
 Chill Rods, Graphite - 3
 Chlorination System, Falling Film - 3
 Chlorine - 11
 Chlorine Trifluoride - 11
 Chlorosilanes - 11
 Chlorotrifluoroethylene - 11
 Chrome Carbide Coatings - 11
 Chrome Ores - 12
 Chrome Polish, **SIMONIZ** - 10
 Chromium Alloys - 12
 Cleaner/Degreaser, **SIMONIZ** - 10
 Cloth, Electrically-Conductive - 3
 Coagulant, **POLYOX** - 17
 Coal
 Aid Conditioners, **WINTER FLO** - 17
 Dust Control Agent, **DUSTBINDER** - 17
 Electrodes - 3
 Side Wall Release Agent, **WINTER FLO** - 17
 Coatings, **UCAR** - 11
 Aluminum Oxide, Beryllium, Bronze,
 Carbides, Ceramics, Cermets, Chroma
 Carbide, Metal Alloys, Molybdenum,
 Pure Metals, Stainless Steel, Tantalum,
 Tungsten Carbide, Wear- and
 Abrasion-Resistant
 Coating Materials
 Additives; Latexes; Resins; Solvents - 4
 Resins; Solvents - 17
 Coils, Heating and Cooling, **KARBATE**
 Impervious Graphite - 3
 Coke Electrodes - 3
COLD PROOF Snow Brush - 10
 Columns
 Absorbing, Fractionating - 3
 Distillation - 11
 Thermal, Graphite - 3
COMMANDER
 Flashlights and Lanterns - 2
 Rechargeable Lantern - 2
 Composite Materials - 3
 Concrete Chemicals - 4
 Condensers, **KARBATE**
 Impervious Graphite - 3
 Connecting Pins, Carbon and
 Graphite Electrode - 3
 Consumable Electrode Welding
 Equipment - 11
 Contacts for Circuit Breakers - 3
 Containers, Cryogenic Fluid - 11
 Coolers, Cascade, **KARBATE** - 3
 Cooling System Products
 Anti-Freeze Coolant Tester - 10
 Anti-Rust and Water Pump
 Lubricant - 10
 Flush 'n Fill Kit - 10
 Flush 'n Fill Machine - 10
 Heavy Duty Cooling System
 Cleaner - 10
 Heavy Duty Sealer - 10
PRESTONE - 10
PRESTONE II Winter- Summer
 Anti-Freeze Coolant - 10
 Sealer and Stop Leak - 10
 Super Flush Radiator Cleaner - 10
 10 Minute Radiator Flush - 10
 Copolymers, Ethylene Acrylate - 14
 Copolymers, Ethylene-Vinyl Acetate - 14
 Core Rods, Graphite - 3
 Corrosion
 Inhibitors, **MORLEX** - 17
 Resistant Carbon and **KARBATE**
 Impervious Graphite - 3
 Resistant Coatings - 11
 Resistant Pipeline Coatings - 11
 Corundum, Synthetic - 5B
 Cosmetic Chemicals - 7, 15, 17
 Coupling Agents - 15
 Silane
 Solvent
CROMALOY Welding Fluxes - 11
 Crucibles, **BORALLOY** Pyrolytic Boron Nitride
 Aluminum Vaporization - 3
 Liquid Phase Epitaxy - 3
 Molecular Beam Epitaxy - 3
 Polycrystal Synthesis - 3
 Semi-Insulating GaAs - 3
 Vapor Phase Epitaxy - 3
 Cryobiological Equipment - 11
 Cryogenic
 Equipment - 11
 Fluid Transport Equipment
 (Tank Cars, Trucks, Trailers) - 11
 Fluids - 11
 Cryophysics Equipment - 11
 Crystals, Synthetic
 Electro-Optic - 5B
 Laser - 5B
 Ruby - 5B
 Sapphire - 5B
 Cumene (Isopropyl Benzene) - 16
 Cupola Linings - 3
 Curing Aids (for Rubber and Plastic) - 11

(continued)

Cutting Apparatus and Machines, LINDE
 Oils, UCON - 7
 Oxy-Fuel Gas and Plasma Arc - 11
 Cyanogen - 11
 Cycloaliphatic Epoxides - 17
 Cyclohexanone - 17
 Cyclopropane - 11
 Cylinders
 Acetylene - 11
 Carbon and Graphite - 3
 Cryogenic Fluids - 11
 Stainless Steel - 11
 Stands, Handtrucks - 11
 Zochralski Crystals - 5B

D

Damping Fluids, Silicone - 15
 Deflashing Rubber and
 Plastic Machine - 11
 Deforming Agents - 7, 15
 Degreaser, Engine Scour,
 SIMONIZ TUFF - 10
 Degreasing Agents - 7
 De-Icer Spray, Car Windows,
 PRESTONE - 10
 Deicing Fluids, UCAR, Aircraft & Runway - 8
 Denaturants - 18
 Denatured Alcohol (Ethanol) - 16
 Deodorizers, Activated Carbon - 11
 Descaling Apparatus,
 Oxy-Acetylene - 11
 Desiccants (Molecular Sieves) - 11
 Detectors, Leak, Halide Gas - 11
 Detonation Coatings - 11
 Deuterium - 11
 Dewars Liquified Gases - 11
 Diacetone Alcohol - 16
 DIAL A CELL Dispenser for
 Hearing Aid Batteries - 2
 Dialysis Tubing - 9
 Dichlorodifluoromethane,
 UCON 12 - 11
 Dichlorosilane - 11, 15
 Dichlorotetrafluoroethane - 11
 Dicyclopentadiene - 15
 Die Casting Machine Nozzle, Gaskets,
 GRAFOIL - 3
 Die Cooling System - 11
 Dielectric Fluids, Silicone - 15
 Dies
 Casting - 3
 Graphite - 3
 Diethanolamine - 7
 Diethylamine - 7
 Diethylaminoethoxyethanol - 17
 Diethylene Glycol - 8
 Based Cement Grinding Aide UCAR - 8
 Diethylene Glycol Monobutyl Ether
 (Butyl CARBITOL) - 7
 Diethylene Glycol Monobutyl Ether
 Acetate (Butyl CARBITOL Acetate) - 7, 16
 Diethylene Glycol Monoethyl Ether
 (CARBITOL Solvent) - 7
 Diethylene Glycol Monoethyl Ether
 Acetate (CARBITOL Acetate) - 7, 16
 Diethylene Glycol Monomethyl Ether
 (Methyl CARBITOL) - 7
 Diethylenetriamine - 7
 N,N-Diethylethanolamine - 17
 Diethyl Ketone - 17
 Diethyl Sulfate - 16
 Diffusion Wafers, Boron Nitride - 3
 Diglycol (Diethylene Glycol) - 8
 Diisobutyl Carbinol - 16
 Diisobutyl Ketone - 16
 Diisopropylamine - 7
 Dimethylamine - 11
 Dimethylaminoethoxyethanol - 17
 N,N-Dimethylaminopropylamine - 17
 N,N-Diethylethanolamine - 17
 Dimethylisopropanolamine - 17
 Dimethyl Ether - 11
 2,6-Dimethyl-4-Heptanol
 (Diisobutyl Carbinol) - 16
 2,2-Dimethylpropane - 11
 1,4-Dioxane - 17

Dipropylene Glycol - 17
 Disinfectants - 7
 Dispersion Agents - 15
 Disposer Size Bags, GLAD - 10
 Distillation Trays - 11
 DRIOX Oxygen, Argon and Nitrogen - 11
 Drop Wires - 11
 Dry Batteries
 EVEREADY - 2
 Dry Cells (All Types) - 2
 Drying, Industrial Services - 11B
 DUSTBINDER Concentrate - 17
 Dust Control Agents - 17
 Mining
 Road Dust

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POWER TO SPARE Batteries - 2

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Propylene Glycol - 17
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Pressure Testing, Nitrogen - 11B

PREST-O-LITE

Air-Acetylene and Propane
Appliances - 11
Cylinders - 11

Dissolved Acetylene - 11

PRESTONE Car-Care Products

Anti-Freeze (Coolant) Tester - 10
Antitrust and Water Pump Lubricant - 10
Brake Fluid Hi-Temp - 10
Car Polish and Cleaner,
High Speed Silicone - 10
Carburetor and Metal Parts Cleaner - 10
Cooling System Cleaner,
Heavy Duty - 10
De-Icer, Spray - 10
Flush 'n Fill Kit - 10
Flush 'n Fill Kit, Machine - 10
Gas Dryer, **PRIME** - 10
Radiator Flush, 10-Minute
Super Flush - 10
Sealer and Stop Leak - 10
Sealer Heavy Duty - 10
Snow Brush

COLD PROOF - 10
SUPER-SWEEP - 10

Starting Fluid, Engine - 10

Windshield Washer

Anti-Freeze & Cleaner - 10
Solvent - 10

PRESTONE II Winter-Summer

Anti-Freeze Coolant - 10

PRIME Gas Dryer - 10

Process Equipment, **KARBATE**

Impervious Graphite - 3

Projector Carbons for Motion Pictures - 3

Propane - 11

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P, BEP - 17

Propionaldehyde - 16

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Propiophenone - 17

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Solvent P) - 17

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Propyldiethanolamine - 17

Propylene - 11

Propylene Glycol - 17

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PURASIV System for

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NOX Emissions - 11

SOX Emissions - 11

Purging, Nitrogen - 11B

Purifier, Gas - 11

PUROX

Solid Waste Disposal System - 11

Welding and Cutting Apparatus - 11

PVC Film - 9

PVDC Shrinkable Bags - 9

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Boron Nitride, **BORALLOY** - 3

Pyrometer Tubes, Carbon - 2

Q

Quenchants - 7

R

RADEL Polyphenylsulphone - 17

Radio

Batteries, **EVEREADY** - 2

Radioactive Gas

Krypton-85 - 11
Treatment Systems - 11

Rail

Build-Up - 11
Hardening - 11

Rapid Water Additive - 17

Rare Gases - 11

Raschig Rings - 3

Rechargeable Lantern,

COMMANDER - 2

Reference Forms, Graphite - 3

Refractories Carbon and Graphite - 3

Refrigerant

Desiccant, Molecular Sieves - 11
Systems for Transport Vehicles - 11

Refrigerants

Liquefied Gases - 11
UCON - 11

Refrigerators, Liquefied Gas - 11

Regulators

Flowmeter Combination - 11
Pressure (For All Gases) - 11

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Apparatus - 11

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Resistance

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Welders, **ULTRAPULSE** - 11

Resistor

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Electrode Packing Material - 3

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Rheostat Plates - 3

RIM Urethanes - 15

Rings, Carbon Graphite, Seal - 3

Riser Rods, Graphite - 3

Rocket and Missile Components,

Graphite - 3

Rods

and Tubes, Carbon and Graphite - 3
Welding and Hard-Facing - 11

Welding, Carbon - 11

Roller Guide Shell - 11

Rubber

Chemicals - 7
Curing Aids - 11

Deflashing Systems,
Liquid Nitrogen - 11

Release Agents - 7

Silicone - 15

Rubbing Compound, **SIMONIZ** - 10

Ruby

Laser Rod - 5B

Synthetic - 5B

Runway Deicing Fluid **UCAR** - 8

S

SAG Silicone Antifoams - 15

SANDJET Cleaning of Pipelines - 11B

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Scarfing Torches and Machines - 11

Scavengers

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Scouring Assistants - 4

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Sealant

Materials - 4, 15

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Graphite - 3

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Sealer, Heavy-Duty, **PRESTONE** - 10

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Searchlight Carbons - 3

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Equipment - 11

Semiconductor Crucibles and Furnace Parts

BORALLOY Pyrolytic Boron Nitride - 3

SENTRY

Grade **CARBOWAX** Polyethylene

Glycols - 7

Propylene Glycol - 17

Silicone Antifoams - 15

Simethicone Emulsion - 15

Simethicone USP - 15

SENTRY Grain Preserver - 1

SEVIMOL 4 Insecticide - 1

SEVIN Carbaryl Insecticide - 1

Sewage Treatment System, **UNOX** - 11

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Shell and Tube Heat Exchangers,

KARBATE - 3

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Shielding, Nuclear Radiation

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SHIRMATIC Casings - 9

SHIRMATIC Sizers for Processed Meats - 9

SIGMA Welding Equipment - 11

Silane Coupling Agents; Monomers - 15

Silanes - 11, 15

Silicon-Monoxide - 5B

Silicon Nitride Powder - 3

Silicon-On-Sapphire Epitaxial

Wafers - 5B

Silicon-On-Spinel Epitaxial Wafers - 5B

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Fluids - 15

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Leveling Agents - 15

Lubricants - 15

Monomers - 15

Oils - 15

Polish Additives - 15

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Reactive Silicone Emulsions

and Fluids - 15

Silicone 715B, Volatile - 15

Solutions - 15

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Surfactants - 15

Water Repellents - 15

Wetting Agents - 15

Silver Oxide Batteries, **EVEREADY** - 2

SILWET Surface

Active Copolymers - 15

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SIMONIZ Car Care Products

Chrome Polish - 10

Interior Cleaner - 10

Liquid Car Wax - 10

MASTER WAX Liquid Polish - 10

MASTER WAX Pre-Softened

Car Wax - 10

No Buff Liquid Polish - 10

Original Car Wax; Cleaner;

Degreaser - 10

Pre-Softened Car Wax - 10

ROYALE Pre-Softened Car Wax - 10

Rubbing Compound - 10

SHINES LIKE THE SUN Liquid and

Pre-Softener Car Wax - 10

Vinyl Top Wax; Cleaner - 10

VISTA Cleaner; Wax - 10

Product Directory

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Pre-Softened Car Wax - 10
White Polishing Compound - 10
Sintering - 11
Skimmer Floats, Graphite - 3
SKIPPER Waterproof Flashlights - 2
Slide-Supports, UCAR - 3
Snick Plate Replacement Parts - 11
Snow Brush
COLD PROOF, PRESTONE - 10
SUPER-SWEEP, PRESTONE - 10
Softening Agents - 15
Solar Stimulation Carbons - 3
Soldering
Irons, Gas - 11
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Specialty Gases - 11
Spectroscopic Electrodes and Powders - 3
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Stabilizers - 4
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Stainless Steel Coatings - 11
Starting Fluid, **PRESTONE** - 10
Steel
Conditioning Equipment (Scarling Machines) - 11
Making Equipment, Oxygen Injection Apparatus for Metal-Making Furnaces - 11
Mill Machinery, Roller Guide Shell - 11
Sterilant Gases - 11
Stone-Shaping Equipment - 11
Strands, **GRAFOIL** Graphite - 3
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Super Flush, **PRESTONE** - 10
SUPERPOLY Liquid and Pre-Softener Car Wash - 10
SUPER-SWEEP Snow Brush - 10
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SUPREX Arc Carbons - 3
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Tanks
KARBATE Impervious Carbon and Graphite - 3
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Tape
Anisotropic Graphite - 3
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Telephone Service Batteries, EVEREADY - 2
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Aldicarb Pesticide - 1
Systemic Pesticide - 1

TERGITOL - 7
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Ethoxy Sulfates
Nonionic Min-Foam
Nonionic Surfactants
Surfactants NP, 25L, 15-S
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15-S-12 Acrylate
Terrestrial Ecology - 11A
TETRA Aromatics Recovery Process - 11
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Tetraethylene Glycol - 7, 8
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Tetrahydronaphthalene HP - 1
N,N,N',N'-Tetramethyl-1, 3-Butanediamine (**TMBDA**) - 15
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Coatings and Binders - 4
Lubricants, **UCON** - 7
Machinery Parts, **UCAR** - 11
Drop Wires, Snick Plate Replacement Parts, Thread Guides
Silicone Lubricants - 15
Silicone, Softeners - 15
THE HEAVYWEIGHT GLAD
Trash Bags - 10
Therapy, Oxygen, Gas and Equipment - 11
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Columns, Graphite - 3
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KARBATE Impervious Graphite - 3
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Fabric Finish Additive - 4
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Fiber, Activated Carbon Filters - 3, 11
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Graphite Anode Blanks for Cathodic Protection - 3
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Oil Solvent AC - 4
Paper Coating Binders - 4
Phenolic Resins - 4
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Pipeline Coating Service - 11B
Porous Carbon and Graphite Cylinders, Tubes, Blocks, and Plates - 3
Prewash Spotter - 7
Props - 11
Rapid Water Additive - 17
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Runway De-Icer - 8
Silicone Antifoams - 15
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Slide Supports - 3
Snick Plate Replacement Parts - 11
Solution Vinyls - 4
Solvent AC - 4
Solvent MKE - 4
Solvent TCM - 4
Submicron Silica - 12
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UCARE Polymers, JR and LR - 17
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System Cleaner - 10
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Vacuum Metallizing Heating Sources - 3
Vacuum-Quality Alloy Additions, **VQ** - 12
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Granular, Technical Granular,
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Silicon-On-Sapphire Epitaxial - 5B
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Waste
Disposal (Chlorinated Residue)
Systems, **UCAR** - 3
Treatment Systems, Industrial and
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Apparatus, Electric, Gas - 11
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Hardfacing - 11
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Supplies - 11
Wires - 11
Wet-Strength Intermediates - 7
Wetting Agents
Organic - 7
Silicone - 15
White Polishing Compound,
SIMONIZ - 10
Windows, Sapphire Optical - 5B
Windshield
Spray De-Icer, Pressurized,
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Washer Anti-Freeze and Cleaner - 10
Washer Solvent - 10
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Product Directory

Trade marks of UNION CARBIDE CORPORATION

ACHESON
ACHESON Seal
AIR CELL
ALPHA
AMIBEN
ANHYDROL
ARDEL
AUTOSEPTIC
BAKELITE
BANDEL
BEACON
BIG JIM
BORALLOY
BRAZO
CALIDRIA
CAPTAIN
CARBITOL
CARBITRON
CARBOSEAL
CARBOWAX
CARBOXIDE
CARVAN
CAT Device
CELLOSIZ
CELLOSOLVE
CENTRIA
CHLORASOL
COLD PROOF, JR.
COLUMBIA
COMMANDER
COPHITE

CORDAHIDE
CRAG
CROMALOY
DIAL A CELL
D. O.
DRIBURN
DRIOX
DUSTBINDER
ENERGIZER
ETHREL
ETHYCHEM
EVEREADY
FERRO
FLEXOL
FOLD-LOCK TOP
FORMASIL
GAS MISER
GET THE CAT . . .
NOT A COPY CAT
GLAD
GRAFOIL
GRAY LABEL
GREASE EATER
HANDLE-TIE
HELIARC
HERBIMAX
HERCULES
HIGHLANDER
HOT SHOT
HYPERCAL
HYSIV

IGNITOR
IONSIV
JR. CAPTAIN
JR. COMMANDER
JR. SKIPPER
KARBATE
KEMET
KEY-LOCK
KIC
KTI
LARVIN
LINDE
LIN-DE SURFACER
LITTLE JIM
MASTER WAX
MICROBAGS
MICROWRAP
MINDEL
MINI-MAX
MOLSIV
MORLEX
MP
MW
N and Shield
Device
NATIONAL
NEFLEX
NEVER PICK UP
A STRANGER
NIAx
NITROVAN

NOJAX
NOXIDE
OIL MISER
OROTIP
OXWELD
OXYFUME
OXSIV
PEARLEX
PERFLEX
PG
PHOSTRIP
PLYTEK
POLARSTREAM
POLYBED
POLYOX
POLYSAK
POWER TO SPARE
PREST-O-LITE
PRESTONE and
PRESTONE II
PRIME
PRISM
PROPASOL
PURASIV
PUROX
PYROFOAM
RADEL
REMAg
ROYALE
SAG
SANDJET

SENTRY
SEVIDAN
SEVIMOL
SEVIN
SEVIN 4 OIL
SEVITHION
SHINES LIKE THE SUN
SHIRMATIC
SIGMA
Silver Colored Cable
Strand Device
SILVERTIP
SILWET
SIMONIZ
SIMPLEX
SINCH
SKIPPER
SNAP-FOLD
SNAP LOCK
SNO-SWEEP
SOLVATONE
STABILENE
STANDAK
SUPERPOLY
SUPER-SWEEP
SUPREX
SURFEL
SWIRLJET
SYNASOL
TEMIK
TENDRJAX

TERGITOL
THE HEAVYWEIGHT
THORNEL
TITECADDIE
TRASH FASH
TRITHENE
TUFF STUFF
UCANE
UCAR
UCARCIDE
UCARE
UCARSAN
UCARSIL
UCET
UCON
UDEL
UNEL
UNIFOL
UNION CARBIDE
UNIONMELT
UNOX
VINYLITE
VISTA
VISTEN
VO
VU-CHECK
WEEDONE
WINTER FLO
ZENDEL
ZEPHYR

Principal Locations of Union Carbide

The general offices of the Corporation and the components listed below are located, unless otherwise indicated, at Old Ridgebury Road, Danbury, CT 06817. (Telephone: 203-794-5300.)



1 Agricultural Products Group

The Agricultural Products Group develops, markets, and sells agricultural chemicals throughout the world. Principal products include SEVIN carbaryl, a broad spectrum insecticide; TEMIK aldicarb, a systemic nematocide/insecticide; AMIBEN chloramben, a broad spectrum herbicide; ETHREL ethephon, a plant growth regulator, and numerous other pesticides used in the lawn and garden, railroad and industrial markets.

UNION CARBIDE AGRICULTURAL PRODUCTS COMPANY, INC.
NATIONAL SALES OFFICE:

NY New York 10017 270 Park Avenue 212-551-5887

MARKETING, RESEARCH AND DEVELOPMENT, BUSINESS AND ENGINEERING OFFICES:

NC Research Triangle Park P.O. Box 12014 919-549-2000
27709 T.W. Alexander Drive

PLANTS: Woodbine, GA; St. Louis, MO; Clinton, IA; St. Joseph, MO; Institute, WV.

1A SOILSERV, INC.
CA Salinas 93901 P.O. Box 1817 408-422-8473

2 Battery Products Division

More than 1,000 different types of batteries are marketed under the EVEREADY, ENERGIZER and HERCULES trade marks, as well as under custom-brands. Other EVEREADY products include flashlight cases, lamps, and lanterns.

SALES OFFICES:

CA San Francisco 94111 One California 415-765-1000
GA Atlanta 30329 17 Executive Park Dr., N.E. 404-320-3500
IL Chicago 60606 120 S. Riverside Plaza 312-454-2000
NJ Hackensack 07601 One University Plaza 201-648-0220
OH Middleburg Hgts 44130 P.O. Box 30381 216-826-4444
TX Dallas 75207 2710 Stemmons Freeway 214-831-0010

PLANTS: Red Oak, IA; Maryville, MO; Asheboro and Greenville, NC; Cleveland and Fremont, OH; Bennington and St. Albans, VT; Newport News, VA.
WAREHOUSE STOCKPOINTS: 9.

3 Carbon Products Division

The Carbon Products Division produces and markets carbon and graphite in thousands of shapes and forms and manufactures certain specialized refractories based on boron nitride. Among our more important products are UCAR carbon and graphite electric furnace electrodes; THORNE carbon fibers; KARBATE chemical process equipment and systems; GRAFOIL flexible graphite gaskets and packing materials; NATIONAL motor and generator brushes; NATIONAL arc light carbons; UCAR boron nitride; BORALLOY pyrolytic boron nitride; and UCAR intermetallic composites. Typical industries served are: steel, ferroalloys, aluminum, copper, chemicals, brass, glass, nuclear, transportation, motion picture, aerospace, rocket and missile applications.

TELEPHONE SALES CONTACTS:

IL Chicago 60606 120 S. Riverside Plaza 312-454-2000
All Products including Aerospace and Nuclear, Carbon Fibers and U.S. Government Sales

CT Danbury 06817 Old Ridgebury Road 203-794-3665
Export Sales Office

PLANTS: Robinson, IL; Niagara Falls, NY; Cleveland and Fostoria, OH; Greenville, SC; Columbia, Lawrenceburg and Clarksville, TN; Clarksburg, WV; Yabucoa, PR. **WAREHOUSE STOCKPOINTS:** 9.

4 Coatings Materials Division

The Coatings Materials Division supplies latexes, chemical coatings resins, and other materials primarily to the coatings market.

SALES OFFICES:

CA Long Beach 90802 100 Ocean Gate 213-437-2881
GA Atlanta 30329 17 Executive Park Drive, NE 404-320-5600
IL Chicago 60606 120 South Riverside Plaza 312-454-2010
NJ Hackensack 07601 Two University Plaza 201-648-8965
TX Dallas 75240 14901 Quorum Drive 214-934-4950

PLANTS: Torrance, CA; Tucker, GA; Alsip, IL; Somerset, NJ; Brownsville and Garland, TX.

5 Electronics Division

5A COMPONENTS GROUP

Electronic components, including solid tantalum capacitors, monolithic ceramic capacitors, film capacitors, and getters.

HEADQUARTERS:

SC Greenville 29606 Post Office Box 5928 803-963-6300

SALES OFFICES:

AZ Tempe 85282 4651 S Lakeshore Dr., Suite 3 602-831-2151
CA Marina del Rey 90291 Suite 302, 4676 Admiralty Way 213-821-8824
Mountain View 94043 2680 Bayshore Frontage Rd 415-969-9390
San Diego 92123 8888 Balboa Avenue 714-279-4500
CO Englewood 80112 10 Inverness Dr East, Suite 232 303-773-0494
FL Pompano Beach 33062 Suite 209, 1620 S. Federal Highway 305-785-1990
Tampa 33609 Suite 400, 4950 W. Kennedy Blvd. 813-872-1861
IL Schaumburg 60195 Woodfield Office Plaza, Suite 630, 1111 Plaza Drive 312-843-1030
IN Carmel 46032 Fidelity Bank Plaza, Suite 260 317-844-7756
11550 N. Meridian St.
MD Ellicott City 21043 Suite 203, 3697 Park Ave 301-596-8233
MA Needham Hgts. 02194 300 First Avenue 617-444-5400
(Boston)
MI Livonia 48152 Livonia Pavillion East, 29200 Vassar, Suite 303 313-478-4600
MN Edina 55435 6600 France Ave., S. 612-929-4842
NC Raleigh 27625 3125 Poplarwood Court, Box 95100, Suite 120 919-872-2877
NY Liverpool 13088 300 Tulip Street 315-451-0720
Tarrytown 10591 Tarrytown Technical Center, 101 Executive Blvd., Room 221 914-789-2047
OH Worthington 43085 250 East Wilson Bridge Rd, Suite 165 614-438-1510
OK Tulsa 74145 9728 E. 42nd St., Suite 122 918-664-8592
PA Exton 19341 347 North Pottstown Pike 215-383-8310
SC Greenville 29607 Century Plaza, Suite 210C, 211 Century Drive 803-242-5789
TX Austin 78752 111 West Anderson Lane 512-458-3181
Irving 75062 420 Decker Dr., Suite 160 214-859-9090
WA Bellevue 98004 301 116th Ave., SE, Suite 240 206-455-4009

GETTERS ONLY:

OH Cleveland 44101 11901 Madison Avenue 216-221-0600

CAPACITOR PLANTS: Columbus, GA; Shelby, NC; Greenville, SC; Greenwood, SC.

GETTER PLANT: Cleveland, OH

5B MATERIALS GROUP

Sapphire, Silicon on Sapphire Epitaxial Wafers, Liquid Phase Epitaxial Films on GGG Wafers, Gadolinium Gallium Garnet substrates for electronic applications, Lithium Niobate; ruby and YAG laser rods; lithium niobate Q-switches; sapphire optics and wear parts. Dielectric conformal coating material, service, equipment and pellicles. Photoresists, acids, solvents for use in semiconductor fabrication.

SALES OFFICES:

AZ Tempe 85281 2125 W. Seventh St. (KTI) 602-968-9212

Principal Locations of Union Carbide

CA	Mountain View 94043	2680 Bayshore Frontage Rd., Suite 1050 (Crystals)	415-965-2128
	San Diego 92123	8888 Balboa Ave. (Crystals)	714-279-4500
	San Diego 92123	9474 Chesapeake St. (Parylene)	714-569-8135
	Sunnyvale 94086	1170 Sonora Ct. (KTI)	408-733-3500
		(KTI Chemicals)	
CT	Wallingford 06492	2 Barnes Industrial Park Rd. (KTI)	203-265-9249
MA	Needham Hgts. 02194 (Boston)	300 First Ave. (Crystals)	617-444-5400
TX	Carrollton 75006	1200 West Jackson Rd. (KTI)	214-245-5541

PLANTS: San Diego, CA (Crystals, Conformal Coatings); Washougal, WA (Crystals); Sunnyvale, CA (KTI Chemicals); Phoenix, AZ (KTI Chemicals); Wallingford, CT (KTI Chemicals); Carrollton, TX (KTI Chemicals).

6 Engineering and Hydrocarbons Division

The Engineering and Hydrocarbons Division produces intermediates for use by other UCC Divisions in manufacturing a broad range of petrochemicals. The Division also markets some of these basic materials such as benzene, toluene, and butadiene in bulk quantities.

SALES CONTACTS:

TX	Houston 77027	2 Greenway Plaza East	713-640-8288
International			
CT	Danbury 06817	Old Ridgebury Road	203-794-3469

PLANTS: Taft, LA; Seadrift and Texas City, TX; Ponce, PR.

7 Ethylene Oxide Derivatives Division

Markets a family of specialty and commodity Ethylene-chain chemicals.

SALES OFFICES:

CA	Long Beach 90802	100 Oceangate	213-437-3721
IL	Chicago 60606	120 South Riverside Plaza	312-454-2000
NJ	Mackensack 07602	One University Plaza P.O. Box 809	201-646-6700
OH	Cincinnati 45227	West St. and Madisonville Rd.	513-272-0208
TX	Dallas 75240	14901 Quorum Drive	214-934-4900

8 Ethylene Oxide Glycol Division

Leading producer of Ethylene Oxide, Ethylene Glycol and higher glycols for the chemical industry.

SALES OFFICES:

CA	Long Beach 90802	100 Oceangate	213-437-3721
GA	Atlanta 30359	17 Executive Park Dr., N.E. P.O. Box 49287	404-320-3500
IL	Chicago 60606	120 South Riverside Plaza	312-454-2000
MI	Birmingham 48012 (Detroit)	30600 Telegraph Rd. P.O. Box 2052	312-645-6720
NJ	Hackensack 07602	One University Plaza P.O. Box 809	201-646-6700
	Moorestown 08057	308 Harper Drive	609-235-6200
		Caller Service 13	
NC	Charlotte	Atlanta, GA Sales Ofc.	704-364-1400
OH	Cincinnati 45227	West St. and Madisonville Rd.	513-272-0208
	Cleveland 44114	1300 Lakeside Ave.	216-622-7300
TX	Dallas 75240	14901 Quorum Drive	214-934-4900

PLANTS: Taft, LA; Ponce, PR; Seadrift, TX.

9 Films-Packaging Division

General Office: 6733 West 85th Street, Chicago, Illinois 60638 (Telephone: 312-496-4200)

Major products are cellulosic casings used in manufacturing processed and smoked meats, shrinkable bags for packaging frozen poultry and multi-layer bags for packaging fresh red meats.

SALES OFFICE:

IL Chicago 60638 6733 W. 85th St. 312-496-4200

PLANTS: Osceola, AR; Santa Fe Springs, CA; Atlanta, GA; Chicago, IL; Kentland, IN; Centerville, IA; Lenexa, KS; Southampton, PA; Loudon, TN; Barceloneta, PR.

10 Home and Automotive Products Division

Automotive products include the well-known PRESTONE II winter-summer anti-freeze coolant; PRESTONE and SIMONIZ car care products including polishes, brake fluids, engine tune-up chemicals and ice fighters. Among the home products are the popular GLAD line of plastic bags, wrap, and drinking straws.

CUSTOMER SERVICE OFFICES AND SALES OFFICES:

(SALES PERSONNEL & ORDER ENTRY)

CA	San Francisco 94111	One California	415-765-1000
GA	Atlanta 30329	17 Executive Park Dr., N.E.	404-321-6600
IL	Chicago 60606	120 S. Riverside Plaza	312-454-2000
NJ	Wayne 07470	55 Haul Rd., P.O. Box 450	201-694-8800

SALES OFFICES (NO ORDER ENTRY)

CA	Emeryville 94608	5850 Shellmound St	415-652-4013
	Long Beach 90802	100 Oceangate	213-435-3721
	Vista 92083	550 W. Vista Way	714-941-4550
MA	Needham Hgts. 02194	300 First Ave.	617-444-5400
OH	Middleburg Hgts. 44130	7550 Lucerne Dr., Islander Park Bldg. One, Suite 405	216-243-3585
PA	Southampton 18966	1600 Industrial Blvd.	215-322-6600
TX	Dallas 75207	1210 Stemmons Freeway	214-631-0010

PLANTS: Rogers, AR; E. Hartford, CT; Cartersville, GA; Alsip, IL; Freehold, NJ; Southampton, PA. WAREHOUSE STOCKPOINTS: over 100.

11 LINDE Division

Principal products include: LINDE industrial gases - primarily oxygen, nitrogen, argon, hydrogen, helium and acetylene; specialty gases and gas mixtures; cryogenic fluids (liquefied gases), containers, cylinders and tankage for the transportation and storage of cryogenic fluids; LINDE food freezing systems, POLARSTREAM in-transit refrigeration systems for frozen and perishable foods, and containers, refrigerators and related equipment for specific use with cryogenic fluids; LINDE Medical Equipment - Oxygen Walker; energy systems - primarily enhanced oil recovery, syntfuel; environmental systems - primarily the PUROX Solid Waste Disposal System; PURASIV Air Pollution Control System; UCAR Amine Guard System; LINDE welding, cutting and steel-conditioning equipment and processes; LINDE Molecular Sieve adsorbents and catalysts, and other products (distillation trays, High Flux Tubing, UCAR proppants) and processes for the chemical, petroleum, and natural gas industries; UCAR Metal and Ceramic Coatings; LINDE alumina-polishing powders and suspensions; ceramic alumina; UCAR protective atmospheres; LINDE Photocure Systems; LINDE Die Cooling System.

SALES OFFICES:

AL	Birmingham 35253	2900 Cahaba Rd.	205-879-4661
CA	Long Beach 90802	100 Oceangate, 11th Fl.	213-435-3721
	San Francisco 94111	One California	415-765-1000
CO	Denver 80223	666 S. Santa Fe Drive	303-722-4621
GA	Atlanta 30329	17 Executive Park Dr., N.E.	404-321-6600
IL	Chicago 60606	120 S. Riverside Plaza	312-454-2000
KS	Shawnee Mission 66202	6901 West 63rd Street	913-362-2200
MA	Needham Hgts. 02194 (Boston)	300 First Ave.	617-444-5400
		(Cont.)	
MI	Farmington 48018	24425 Indoplex Circle	313-478-1500
MO	St. Louis 63132	10176 Corporate Square Dr.	314-567-4455
NJ	Moorestown 08057	308 Harper Dr.	609-235-6200
NY	Buffalo 14202	120 Delaware Ave.	716-854-1618
OH	Cleveland 44114	1300 Lakeside Ave.	216-621-4200
PA	Philadelphia	(See Moorestown, NJ)	
	Pittsburgh 15205	Robinson Plaza II, Route 60	412-787-5830
TX	Dallas 75207	2710 Stemmons Freeway	214-631-0010
	Houston 77046	2 Greenway Plaza E.	713-640-6000

"UCAR" METAL AND CERAMIC COATINGS;

LINDE POLISHING POWDERS ONLY:

Effective solutions to problems of severe wear and abrasion.

CA	Hayward 94544	31086 San Benito St.	415-487-1800
	Los Angeles 90058	2305 E. 52nd St.	213-583-1761
CT	North Haven 06473	441 Sackett Point Rd.	203-268-3331
FL	Miami 33166	6400 N.W. 72nd Ave.	305-592-6030



GA	Atlanta 30342	120 Copeland Rd., N.E. Suite 259	404-258-3498
IL	Aisip 60658	4101 W 129th Place	312-371-6790
IN	Indianapolis 46224	1245 Main St.	317-240-2500
	Indianapolis 46224	1500 Polco St.	317-240-2500
MA	Westborough 01581	23 East Main St.	617-368-4128
MI	Grand Rapids 49506	3501 Lake Eastbrook	616-942-0610
MO	N. Kansas City 64116	1234 Atlantic St.	816-221-0585
NJ	Moorestown 08057	201 Chester Ave.	609-234-0751
	Skillman 08558	1377 Route 206	609-921-1828
NY	Rome 13440	8686 1/2 Long Hill Rd.	315-339-2500
NC	Charlotte 28213	8501 Old Statesville Rd.	704-596-5380
OH	Stow 44224	3773 Darrow Rd. Suite 5	216-888-1989
OK	Midwest City 73110	1405 South Midwest Blvd.	405-737-3431
PA	New Castle 16105	R.D. No. 3 Wilmington Rd. P. O. Box 5318	412-658-6678
TX	Dallas 75240	14114 Dallas Pkwy., Suite 580	214-387-1958
	Houston 77075	9200 Telephone Rd.	713-991-2550
	San Antonio 78228	4438 Centerville Dr.	512-734-8907

ENGINEERING PRODUCTS AND PROCESSES ONLY:

NY	Tarrytown 10591	Tarrytown Center	914-789-2000
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CRYOGENIC EQUIPMENT ONLY:

AL	Theodore 36582	4075 Hamilton Blvd. P. O. Box 568	205-653-8880
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JET PIERCING ONLY:

IN	Indianapolis 46224	4801 W. 16th St.	317-240-2500
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MOLECULAR SIEVES ONLY:

MN	Aurora 55705	P.O. Box 247	218-229-3344
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PHOTOCURE SYSTEMS ONLY:

NY	Tarrytown 10591	Tarrytown Center	914-789-2000
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SPECIALTY GASES ONLY:

IN	Indianapolis 46241	5707 W Minnesota	317-240-2500
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UNION CARBIDE ENVIRONMENTAL SERVICES:

(Aquatic Toxicology, Effluent Biomonitoring Programs, Aquatic Ecological Studies, Environmental Chemistry)

NJ	Somerset 08873	100 Davidson Ave	201-358-8000
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UNION CARBIDE INDUSTRIAL SERVICES COMPANY

General Office: 2 Greenway Plaza East, Houston, TX 77046 (Telephone: 713-640-6000)

Meets the specialized maintenance and safety needs of firms involved in the handling and processing of volatile, reactive or otherwise troublesome products that require inert gases for a variety of reasons. Provides internal, in-place epoxy coating of pipelines and a variety of industrial services - internal, in-place SANDJET cleaning of pipelines, nitrogen pumping, nitrogen inerting, purging, drying, high-and-low-temperature pressure testing and cargo blanketing.

SALES AND SERVICES OFFICES:

CA	Concord 94520	135A Mason Circle	415-798-8214
	Huntington Bch. 92649	5381 Commercial Drive	714-893-2032
IN	Griffith 46319	1036 Reder Rd. (P.O. Box 271)	219-824-1507
OH	Avon Lake 44012	668 Moore Rd	216-327-1200
PA	Bristol 19007	1131 Beaver St.	215-788-3359
TX	Houston 77034	10930 Alameda-Genoa Rd.	713-941-3754

APPARATUS PLANTS: Indianapolis, IN; Piscataway, NJ; Tonawanda, NY; Florence, SC. WELDING WIRE PLANT: Ashtabula, OH. WELDING FLUX PLANT: Niagara Falls, NY. GASES PLANTS: over 100. COATINGS SERVICE PLANTS: Hayward and Los Angeles, CA; North Haven, CT; Miami, FL; Aisip, IL; Indianapolis, IN; North Kansas City, MO; Charlotte, NC; New Castle, PA; Houston, TX. MOLECULAR SIEVE PLANT: Chickasaw, AL. CRYOGENIC EQUIPMENT PLANTS: Theodore, AL; Indianapolis, IN. WAREHOUSE STOCKPOINTS: over 100.

12 Metals Division

This division produces ferroalloys of chromium, vanadium, and tungsten for addition to steel, iron, and non-ferrous metals. These products impart strength and other desirable properties. The division also carries on worldwide geological investigation and exploration, and it mines and processes ores containing tungsten, vanadium, and uranium. From these ores it produces ore concentrates, special alloying materials and commercially pure metals. Also produced are uranium concentrates for power generation; metal chemicals; and high-purity asbestos for tile, paper, plastics, and rubber.

SALES OFFICE:
PA Pittsburgh 15205 Robinson Plaza II, Route 60

TELEPHONE SALES CONTACT:
PA Pittsburgh
From Pennsylvania 800-472-2763

From all other states 800-245-6272

PLANTS: Hot Springs, AR; King City and Pine Creek, CA; Rifle and Uravan, CO; Tiempote, NV; Niagara Falls, NY; Riverton, WY.

ASBESTOS ONLY:

Northeast:	NY	Niagara Falls 14302	P.O. Box 579	716-278-3371
South:	GA	Atlanta 30329	17 Executive Park Dr., N.E.	404-321-6600
Midwest:	NY	Niagara Falls 14302	P.O. Box 579	716-278-3355
West:	CA	Long Beach 90802	100 Oceangate	213-435-3721

PLANT: King City, CA.

13 Nuclear Division

General Office: Post Office Box Y, Oak Ridge, Tenn. 37830 (Telephone: 615-574-1000)

Operates government-owned nuclear energy facilities at Oak Ridge, Tennessee, and Paducah, Kentucky. These facilities include gaseous diffusion plants for separating uranium isotopes; special production and research units that fabricate components for defense use; and Oak Ridge National Laboratory - one of the world's largest nuclear research centers.

PLANTS: Paducah, KY; Oak Ridge, TN.

14 Polyolefins Division

Produces low-and-high density polyethylene resins and compounds for the Molding and Extrusion, Film Extrusion, and Wire and Cable market areas.

SALES OFFICES:

CA	Long Beach 90802	100 Oceangate	213-435-3721
	San Francisco 94111	One San Francisco	415-765-1000
GA	Atlanta 30359	17 Executive Park Dr., N.E. P.O. Box 49287	404-320-3500
IL	Chicago 60606	120 South Riverside Plaza	312-454-2000
MI	Detroit	Birmingham, MI Sales Ofc 30600 Telegraph Rd.	313-645-6720
	Birmingham 48012	P.O. Box 2052	
NJ	Hackensack 07602	Two University Plaza	201-648-6700
	Moorestown 08057	P.O. Box 831 308 Harper Drive	609-235-6200
NY	Tonawanda 14150	Call Service 13	
NC	Charlotte 28210	61 East Park Drive	716-879-2000
OH	Cincinnati 45227	6230 Fairview Rd.	704-364-1405
		West St. and Madisonville Rd.	513-272-0208
	Cleveland 44114	1300 Lakeside Ave.	216-622-7300
TX	Dallas 75240	14901 Quorum Drive	214-934-4900

PLANTS: Bound Brook, NJ; Taft, LA (Star Plant); Seadrift, TX; Ponce, PR.

15 Silicones and Urethane Intermediates Division

The Silicones and Urethane Intermediates Division provides product support to a variety of high-technology silicone and urethane intermediates markets throughout the world.

SALES OFFICES:

CA	Long Beach 90802	100 Oceangate, 10th Floor	213-437-0815
GA	Atlanta 30359	17 Executive Park Dr., N.E.	404-320-5650
MI	Detroit	Birmingham, MI Sales Ofc 30600 Telegraph Rd.	313-645-9944
NJ	Hackensack 07602	One University Plaza P.O. Box 809	201-648-6980

16 Solvents and Intermediates Division

Solvents and Intermediates products including alcohols, ketones and esters are sold into many major markets. One of the largest markets is for coatings applications. Other markets include household products, drugs

Principal Locations of Union Carbide

and cosmetics, pharmaceuticals, mining and synthetic lubricants.

SALES OFFICES:

CA	Long Beach	100 Oceangate	213-435-3721
GA	Atlanta 30359	17 Executive Park Dr., N.E. P.O. Box 49287	404-320-3500
IL	Chicago 60606	120 South Riverside Plaza	312-454-2000
MI	Detroit Birmingham 48012	Birmingham, MI Sales Ofc 30600 Telegraph Rd. P.O. Box 2052	312-645-6720
NJ	Hackensack 07602	One University Plaza P.O. Box 809	201-646-6700
	Moorestown 08057	308 Harper Drive Caller Service 13	609-235-6200
NY	Tonawanda 14150	61 East Park Drive	716-879-2000
NC	Charlotte	Atlanta, GA Sales Ofc	704-364-1400
OH	Cincinnati 45227	West St. and Madisonville Rd.	513-272-0206
	Cleveland 44114	1300 Lakeside Avenue	216-622-7300
PA	Pittsburgh 15202	Robinson Plaza Two, Rte. 60 Robinson Township	412-787-5830
TX	Dallas 75240	14901 Quorum Drive	214-934-4900

PLANT: Texas City, TX.

17 Specialty Chemicals and Plastics Division

This division offers over 50 specialty products for both new and existing businesses for a broad variety of end uses. Principal product areas include aldehydes, alkyl alkanolamines, amines, ethers, glycol ethers, glycols and diols, intermediates for urethanes, ketones, plasticizers and stabilizers, cycloaliphatic epoxies, specialty oxides, water soluble resins and polymers, and engineering polymers.

SALES OFFICES:

CA	Long Beach 90802	100 Oceangate	213-435-3721
GA	Atlanta 30359	17 Executive Park Dr., NE P.O. Box 49287	404-320-3500
IL	Chicago 60606	120 South Riverside Plaza	312-454-2000
MI	Detroit Birmingham 48012	Birmingham, MI Sales Ofc 30600 Telegraph Rd., Suite 2150 P.O. Box 2052	312-645-6720
NJ	Hackensack 07602	One University Plaza P.O. Box 809	201-646-6700
	Moorestown 08057	308 Harper Drive Caller Service 13	609-235-6200
PA	Pittsburgh 15205	Robinson Plaza Two, Rte. 60 Robinson Township	412-787-5830
TX	Dallas 75240	14901 Quorum Drive	214-934-4900

PLANT: Marietta, OH.

CANADA

UNION CARBIDE CANADA LIMITED

123 Eglinton Avenue East, Toronto, Canada M4P 1J3
(Telephone: 416-487-1311)
Chemicals, Resins, Gases, Metals, Carbons, Plastic Products, Food Cas-
ings, Consumer Products.

SALES OFFICES:

CARBON PRODUCTS

4306 - 10th St., N.E.	Calgary, Alberta T2E 6K3	(403) 276-2231
740 Nicole Street,	Vancouver, British	
Columbia V6G 2C2		(604) 685-7621
123 Eglinton Avenue East, Toronto,	Ontario M4P 1J3	(416) 487-1311

F-10043X

2525 Jean Baptiste Deschamps Blvd.,
Lachine, Quebec H8T 1C6 (514) 636-4640

CONSUMER PRODUCTS

10991 Shellbridge Way, Ste. 280, Richmond, British Columbia V6X 3C6	(604) 273-9441
1240 Sherwin Rd., Winnipeg, Manitoba R3H 0V3	(204) 633-9315
4580 Dufferin St., Downsview, Ontario M3H 5Y2	(416) 661-7550
192 Joseph Zatman Dr., Dartmouth, Nova Scotia B3B 1N4	(902) 463-0111
311, 8925 - 51st Ave., Edmonton, Alberta T6E 5J3	(403) 468-5054
4306-10th St. N.E., Calgary, Alberta T2E 6K3	(403) 276-2231
2525 Jean Baptiste Deschamps Blvd., Lachine, Quebec H8T 1C6	(514) 636-4640

GAS PRODUCTS

10991 Shellbridge Way, Richmond, British Columbia V6X 3C6	(604) 273-9441
311, 8925 - 51st Ave., Edmonton, Alberta T6E 5J3	(403) 468-5054
1240 Sherwin Road, Winnipeg, Manitoba R3H 0V3	(204) 633-9315
1000 Finch Avenue West, Downsview, Ontario M3J 2E7	(416) 661-7550
2525 Jean Baptiste Deschamps Blvd., Lachine, Quebec H8T 1C6	(514) 636-4640
Suite 210, Courtenay Centre, Crown Street, Saint John, New Brunswick E2L 3V1	(506) 693-3203
7655 Bramalea Rd., Brampton, Ontario L5S 1C7	(416) 792-3210

METALS

123 Eglinton Avenue East, Toronto, Ontario M4P 1J3	(416) 487-1311
Canal Rd., Beauharnois, Quebec J6N 1W4	(514) 429-3531

PLASTICS & CHEMICALS

Chemicals & Resins:

10991 Shellbridge Way, Richmond, British Columbia V6X 3C6	(604) 273-9441
4306 - 10th St. N.E., Calgary, Alberta T2E 6K3	(403) 276-2231
123 Eglinton Avenue East, Toronto, Ontario M4P 1J3	(416) 487-1311
2525 Jean Baptiste Deschamps Blvd., Lachine, Quebec H8T 1C6	(514) 636-4640
1000 Finch Avenue West, Downsview, Ontario M3J 2E7	(416) 661-7550

Food Casings:

150 Colborne Street East, Lindsay, Ontario K9V 4S8	(705) 324-2101
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Plastic Films:

4306 - 10th St. N.E., Calgary, Alberta T2E 6K3	(403) 276-2231
1000 Finch Avenue West, Downsview, Ontario M3J 2E7	(416) 661-7550
150 Colborne Street, East, Lindsay, Ontario K9V 4S8	(705) 324-2101
300 Grand Blvd. N., Cowansville, Quebec J2K 1A8	(514) 263-1922
2525 Jean Baptiste Deschamps Blvd., Lachine, Quebec H8T 1C6	(514) 636-4640

OUTSIDE UNITED STATES AND CANADA:

Subsidiaries of Union Carbide Corporation

General Office: 270 Park Avenue, New York, N.Y. 10017
(Telephone: 212-551-3763)
Cable Address: UNICARBIDE, New York

Coordination of Overseas Operations

UNION CARBIDE AFRICA AND MIDDLE EAST, INC.
UNION CARBIDE EASTERN, INC.
UNION CARBIDE EUROPE, INC.
UNION CARBIDE PAN AMERICA, INC.
UNION CARBIDE SOUTHERN AFRICA, INC.

Export of Products within the Western Hemisphere
UNION CARBIDE INTER-AMERICA, INC.

Lithographed in U.S.A.

UNION CARBIDE CORPORATION

REPRESENTATIVE ORIGINS AND DESTINATIONS
IN THE STATE OF PENNSYLVANIA

ORIGIN POINTS

CUSTOMER DESTINATIONS

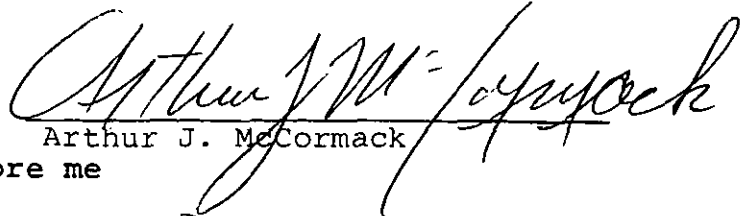
Ambler
Harrisburgh
Mercer
New Kensington
North Warren
Philadelphia
Pittsburgh
Southampton

Allentown
Altoona
Bangor
Camp Hill
Denver
Erie
Fleetwood
Glenburn
Harrisburg
Hershey
Ivy Rock
Jenkintown
Johnstown
King of Prussia
McKeesport
New Castle
Oxford
Philadelphia
Pittsburgh
State College
Uniontown
Wilkes Barre
Williamsport

AFFIDAVIT

STATE OF Connecticut)
COUNTY OF Fairfield) ss:

Arthur J. McCormack, being duly sworn according to law, deposes and says that he has read the foregoing statement, knows the contents thereof, and that the same are true as stated.


Arthur J. McCormack

Sworn to and subscribed before me

this 5th day of December, 1983.


Notary Public

My commission expires: 8/27/87

ELLEN S. DeNOIA
Commissioner of Deeds for Connecticut
Resident of New York
Term Expires August 27, 1987

IV. CONCLUSION

For the reasons set forth in the preceding verified statements of the applicant and supporting shipper, it is respectfully requested that the Commission grant this application in its entirety.

Respectfully submitted,

By: William J. Lavelle
William J. Lavelle
Attorney for Applicant

VUONO, LAVELLE & GRAY
2310 Grant Building
Pittsburgh, PA 15219
(412) 471-1800

Due Date: December 23, 1983



COMMONWEALTH OF PENNSYLVANIA
PENNSYLVANIA PUBLIC UTILITY COMMISSION
P.O. BOX 3265, HARRISBURG, Pa. 17120

December 12, 1983

IN REPLY PLEASE
REFER TO OUR FILE

William J. Lavelle
Attorney at Law
2310 Grant Building
Pittsburgh, PA 15219

In re: A-00102471, Folder 1, Am-D - Application of Pitt-Ohio Express, Inc.

Dear Mr. Lavelle:

We have received the verified statements filed in the above referenced proceeding.

The record will be reviewed and will be put before the Commission for its decision. You will be notified of the Commission's action.

Very truly yours,

By William P. Hoshour
For Peter S. Marzolf, Chief
Technical Review Section
Bureau of Non-Rail Transportation

713
DOCUMENT
FOLDER

DOCKETED
APPLICATION DOCKET
DEC 12 1983
ENTRY No. <i>me</i>