

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). <p style="text-align: center;">▶ Complete all entries in accordance with the instructions to the Form 5500.</p>	OMB Nos. 1210-0110 1210-0089 <div style="text-align: center; font-size: 1.5em; font-weight: bold;">2022</div> This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2022 or fiscal plan year beginning <u>01/01/2022</u> and ending <u>12/31/2022</u>	
A This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.) ☒ a single-employer plan ☐ a DFE (specify) ____
B This return/report is:	☐ the first return/report ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
C If the plan is a collectively-bargained plan, check here.	▶ ☒
D Check box if filing under:	☒ Form 5558 ☐ automatic extension ☐ the DFVC program ☐ special extension (enter description)
E If this is a retroactively adopted plan permitted by SECURE Act section 201, check here.	▶ ☐

Part II Basic Plan Information —enter all requested information		
1a Name of plan <u>FERRO CORPORATION PENSION PLAN FOR LEGACY EMPLOYEES</u>	1b Three-digit plan number (PN) ▶	<u>007</u>
2a Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>FERRO CORPORATION</u> <u>6060 PARKLAND BLVD</u> <u>MAYFIELD HEIGHTS, OH 44124</u>		
1c Effective date of plan <u>10/31/2017</u>		
2b Employer Identification Number (EIN) <u>34-0217820</u>		
2c Plan Sponsor's telephone number <u>216-875-5600</u>		
2d Business code (see instructions) <u>327900</u>		

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	10/16/2023	GLENN GRILL
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2022)
v. 220413

3a Plan administrator's name and address ☐ Same as Plan Sponsor VIBRANTZ CORPORATION 6060 PARKLAND BLVD MAYFIELD HEIGHTS, OH 44124		3b Administrator's EIN 34-0217820
		3c Administrator's telephone number 216-875-5600
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name		4b EIN 4d PN
5 Total number of participants at the beginning of the plan year		5 2070
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d).		
a(1) Total number of active participants at the beginning of the plan year		6a(1) 114
a(2) Total number of active participants at the end of the plan year		6a(2) 124
b Retired or separated participants receiving benefits		6b 1082
c Other retired or separated participants entitled to future benefits.....		6c 593
d Subtotal. Add lines 6a(2) , 6b , and 6c		6d 1799
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.		6e 252
f Total. Add lines 6d and 6e		6f 2051
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item).....		6g
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....		6h 0
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)		7
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 1A 1I 3H		
b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:		
9a Plan funding arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor		9b Plan benefit arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)		
a Pension Schedules (1) ☒ R (Retirement Plan Information) (2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) ☒ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary		b General Schedules (1) ☒ H (Financial Information) (2) ☐ I (Financial Information – Small Plan) (3) ☒ 2 A (Insurance Information) (4) ☒ C (Service Provider Information) (5) ☒ D (DFE/Participating Plan Information) (6) ☐ G (Financial Transaction Schedules)

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2022 Form M-1 annual report. If the plan was not required to file the 2022 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

<div>SCHEDULE A</div> <div>(Form 5500)</div> <div>Department of the Treasury</div> <div>Internal Revenue Service</div> <div>Department of Labor</div> <div>Employee Benefits Security Administration</div> <div>Pension Benefit Guaranty Corporation</div>	<div>Insurance Information</div> <div>This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).</div> <div>▶ File as an attachment to Form 5500.</div> <div>▶ Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).</div>	<div>OMB No. 1210-0110</div> <div>2022</div> <div>This Form is Open to Public Inspection</div>
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan FERRO CORPORATION PENSION PLAN FOR LEGACY EMPLOYEES	B Three-digit plan number (PN) ▶	007
C Plan sponsor's name as shown on line 2a of Form 5500 FERRO CORPORATION	D Employer Identification Number (EIN) 34-0217820	

Part I	Information Concerning Insurance Contract Coverage, Fees, and Commissions	Provide information for each contract on a separate Schedule A. Individual contracts grouped as a unit in Parts II and III can be reported on a single Schedule A.
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1 Coverage Information:

(a) Name of insurance carrier PRUDENTIAL RETIREMENT INSURANCE & ANNUITY CO.
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(b) EIN	(c) NAIC code	(d) Contract or identification number	(e) Approximate number of persons covered at end of policy or contract year	Policy or contract year	
				(f) From	(g) To
06-1050034	93629	001495	89	01/01/2022	12/31/2022

2 Insurance fee and commission information. Enter the total fees and total commissions paid. List in line 3 the agents, brokers, and other persons in descending order of the amount paid.
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(a) Total amount of commissions paid	(b) Total amount of fees paid

3 Persons receiving commissions and fees. (Complete as many entries as needed to report all persons).

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid
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(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid
--

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

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	(c) Amount	(d) Purpose	

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(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

Part II Investment and Annuity Contract Information

Where individual contracts are provided, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

4	Current value of plan's interest under this contract in the general account at year end.....	4	352800
5	Current value of plan's interest under this contract in separate accounts at year end.....	5	565946

6 Contracts With Allocated Funds:**a** State the basis of premium rates ▶

b	Premiums paid to carrier	6b	
c	Premiums due but unpaid at the end of the year	6c	
d	If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, enter amount..... Specify nature of costs ▶	6d	

e Type of contract: (1) ☐ individual policies (2) ☐ group deferred annuity
(3) ☐ other (specify) ▶

f If contract purchased, in whole or in part, to distribute benefits from a terminating plan, check here ☐**7 Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)**

a Type of contract: (1) ☐ deposit administration (2) ☐ immediate participation guarantee
(3) ☒ guaranteed investment (4) ☐ other ▶

b	Balance at the end of the previous year	7b	415070
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c	Additions: (1) Contributions deposited during the year	7c(1)	0
	(2) Dividends and credits	7c(2)	0
	(3) Interest credited during the year	7c(3)	9141
	(4) Transferred from separate account	7c(4)	301500
	(5) Other (specify below)	7c(5)	37033

▶ MARKET VALUE, CREDIT, TRANSFER

(6) Total additions	7c(6)	347674
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d	Total of balance and additions (add lines 7b and 7c(6))	7d	762744
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e Deductions:

(1) Disbursed from fund to pay benefits or purchase annuities during year	7e(1)	376319
(2) Administration charge made by carrier	7e(2)	
(3) Transferred to separate account	7e(3)	
(4) Other (specify below)	7e(4)	33625

▶ ADMINISTRATIVE EXPENSE, GPS FEE

(5) Total deductions	7e(5)	409944
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f	Balance at the end of the current year (subtract line 7e(5) from line 7d)	7f	352800
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Part III Welfare Benefit Contract Information

If more than one contract covers the same group of employees of the same employer(s) or members of the same employee organizations(s), the information may be combined for reporting purposes if such contracts are experience-rated as a unit. Where contracts cover individual employees, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

8 Benefit and contract type (check all applicable boxes)

- a** ☐ Health (other than dental or vision)
b ☐ Dental
c ☐ Vision
d ☐ Life insurance
e ☐ Temporary disability (accident and sickness)
f ☐ Long-term disability
g ☐ Supplemental unemployment
h ☐ Prescription drug
i ☐ Stop loss (large deductible)
j ☐ HMO contract
k ☐ PPO contract
l ☐ Indemnity contract
m ☐ Other (specify) ▶

9 Experience-rated contracts:

a Premiums: (1) Amount received	9a(1)		
(2) Increase (decrease) in amount due but unpaid	9a(2)		
(3) Increase (decrease) in unearned premium reserve	9a(3)		
(4) Earned ((1) + (2) - (3))		9a(4)	0
b Benefit charges (1) Claims paid	9b(1)		
(2) Increase (decrease) in claim reserves	9b(2)		
(3) Incurred claims (add (1) and (2))		9b(3)	0
(4) Claims charged		9b(4)	
c Remainder of premium: (1) Retention charges (on an accrual basis) --			
(A) Commissions	9c(1)(A)		
(B) Administrative service or other fees	9c(1)(B)		
(C) Other specific acquisition costs	9c(1)(C)		
(D) Other expenses	9c(1)(D)		
(E) Taxes	9c(1)(E)		
(F) Charges for risks or other contingencies	9c(1)(F)		
(G) Other retention charges	9c(1)(G)		
(H) Total retention		9c(1)(H)	0
(2) Dividends or retroactive rate refunds. (These amounts were ☐ paid in cash, or ☐ credited.)		9c(2)	
d Status of policyholder reserves at end of year: (1) Amount held to provide benefits after retirement		9d(1)	
(2) Claim reserves		9d(2)	
(3) Other reserves		9d(3)	
e Dividends or retroactive rate refunds due. (Do not include amount entered in line 9c(2).)		9e	

10 Nonexperience-rated contracts:

a Total premiums or subscription charges paid to carrier	10a	
b If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, other than reported in Part I, line 2 above, report amount. Specify nature of costs.	10b	

Part IV Provision of Information

11 Did the insurance company fail to provide any information necessary to complete Schedule A? ☐ Yes ☒ No

12 If the answer to line 11 is "Yes," specify the information not provided. ▶

<div>SCHEDULE A (Form 5500) <div>Department of the Treasury Internal Revenue Service</div><div>Department of Labor Employee Benefits Security Administration</div><div>Pension Benefit Guaranty Corporation</div></div>	<div>Insurance Information</div> <div>This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).</div> <div>► File as an attachment to Form 5500.</div> <div>► Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).</div>	<div>OMB No. 1210-0110</div> <div>2022</div> <div>This Form is Open to Public Inspection</div>
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan FERRO CORPORATION PENSION PLAN FOR LEGACY EMPLOYEES	B Three-digit plan number (PN) ►	007
C Plan sponsor's name as shown on line 2a of Form 5500 FERRO CORPORATION	D Employer Identification Number (EIN) 34-0217820	

Part I	Information Concerning Insurance Contract Coverage, Fees, and Commissions	Provide information for each contract on a separate Schedule A. Individual contracts grouped as a unit in Parts II and III can be reported on a single Schedule A.
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1 Coverage Information:

(a) Name of insurance carrier AETNA LIFE INSURANCE COMPANY

(b) EIN	(c) NAIC code	(d) Contract or identification number	(e) Approximate number of persons covered at end of policy or contract year	Policy or contract year	
				(f) From	(g) To
06-6033492	60054	002951	12	01/01/2022	12/31/2022

2 Insurance fee and commission information. Enter the total fees and total commissions paid. List in line 3 the agents, brokers, and other persons in descending order of the amount paid.

(a) Total amount of commissions paid	(b) Total amount of fees paid

3 Persons receiving commissions and fees. (Complete as many entries as needed to report all persons).

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid
--

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid
--

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

Part II Investment and Annuity Contract Information

Where individual contracts are provided, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

4 Current value of plan's interest under this contract in the general account at year end..... **4** 1203245**5** Current value of plan's interest under this contract in separate accounts at year end..... **5****6** Contracts With Allocated Funds:**a** State the basis of premium rates ▶**b** Premiums paid to carrier **6b****c** Premiums due but unpaid at the end of the year **6c****d** If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, enter amount..... **6d**
Specify nature of costs ▶**e** Type of contract: (1) ☐ individual policies (2) ☐ group deferred annuity
(3) ☐ other (specify) ▶**f** If contract purchased, in whole or in part, to distribute benefits from a terminating plan, check here ▶ ☐**7** Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)**a** Type of contract: (1) ☐ deposit administration (2) ☐ immediate participation guarantee
(3) ☒ guaranteed investment (4) ☐ other ▶**b** Balance at the end of the previous year **7b** 1186162**c** Additions: (1) Contributions deposited during the year **7c(1)**
(2) Dividends and credits **7c(2)**
(3) Interest credited during the year **7c(3)** 55386
(4) Transferred from separate account **7c(4)**
(5) Other (specify below) **7c(5)** -115

▶ PRIOR PERIOD INTEREST RATE CHANGES

(6) Total additions **7c(6)** 55271**d** Total of balance and additions (add lines **7b** and **7c(6)**) **7d** 1241433**e** Deductions:(1) Disbursed from fund to pay benefits or purchase annuities during year **7e(1)** 24889
(2) Administration charge made by carrier **7e(2)** 13299
(3) Transferred to separate account **7e(3)**
(4) Other (specify below) **7e(4)**(5) Total deductions **7e(5)** 38188**f** Balance at the end of the current year (subtract line **7e(5)** from line **7d**) **7f** 1203245

Part III Welfare Benefit Contract Information

If more than one contract covers the same group of employees of the same employer(s) or members of the same employee organizations(s), the information may be combined for reporting purposes if such contracts are experience-rated as a unit. Where contracts cover individual employees, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

8 Benefit and contract type (check all applicable boxes)

- a** ☐ Health (other than dental or vision)
b ☐ Dental
c ☐ Vision
d ☐ Life insurance
e ☐ Temporary disability (accident and sickness)
f ☐ Long-term disability
g ☐ Supplemental unemployment
h ☐ Prescription drug
i ☐ Stop loss (large deductible)
j ☐ HMO contract
k ☐ PPO contract
l ☐ Indemnity contract
m ☐ Other (specify) ▶

9 Experience-rated contracts:

a Premiums: (1) Amount received	9a(1)		
(2) Increase (decrease) in amount due but unpaid	9a(2)		
(3) Increase (decrease) in unearned premium reserve	9a(3)		
(4) Earned ((1) + (2) - (3))		9a(4)	0
b Benefit charges (1) Claims paid	9b(1)		
(2) Increase (decrease) in claim reserves	9b(2)		
(3) Incurred claims (add (1) and (2))		9b(3)	0
(4) Claims charged		9b(4)	
c Remainder of premium: (1) Retention charges (on an accrual basis) --			
(A) Commissions	9c(1)(A)		
(B) Administrative service or other fees	9c(1)(B)		
(C) Other specific acquisition costs	9c(1)(C)		
(D) Other expenses	9c(1)(D)		
(E) Taxes	9c(1)(E)		
(F) Charges for risks or other contingencies	9c(1)(F)		
(G) Other retention charges	9c(1)(G)		
(H) Total retention		9c(1)(H)	0
(2) Dividends or retroactive rate refunds. (These amounts were ☐ paid in cash, or ☐ credited.)		9c(2)	
d Status of policyholder reserves at end of year: (1) Amount held to provide benefits after retirement		9d(1)	
(2) Claim reserves		9d(2)	
(3) Other reserves		9d(3)	
e Dividends or retroactive rate refunds due. (Do not include amount entered in line 9c(2).)		9e	

10 Nonexperience-rated contracts:

a Total premiums or subscription charges paid to carrier	10a	
b If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, other than reported in Part I, line 2 above, report amount. Specify nature of costs.	10b	

Part IV Provision of Information

11 Did the insurance company fail to provide any information necessary to complete Schedule A? ☐ Yes ☒ No

12 If the answer to line 11 is "Yes," specify the information not provided. ▶

<div>SCHEDULE SB (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation</div>	<div>Single-Employer Defined Benefit Plan Actuarial Information</div> <div>This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).</div> <div>File as an attachment to Form 5500 or 5500-SF.</div>	<div>OMB No. 1210-0110</div> <div>2022</div> <div>This Form is Open to Public Inspection</div>
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022

Round off amounts to nearest dollar.

Caution: A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

A Name of plan FERRO CORPORATION PENSION PLAN FOR LEGACY EMPLOYEES		B Three-digit plan number (PN) 007
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF FERRO CORPORATION		D Employer Identification Number (EIN) 34-0217820
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B	F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500	

Part I Basic Information			
1 Enter the valuation date: Month 01 Day 01 Year 2022			
2 Assets:			
a Market value	2a	243808038	
b Actuarial value	2b	230330199	
3 Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a For retired participants and beneficiaries receiving payment	1496	177668269	177668269
b For terminated vested participants	673	36792701	36792701
c For active participants	119	8886615	9057555
d Total	2288	223347585	223518525
4 If the plan is in at-risk status, check the box and complete lines (a) and (b)			
a Funding target disregarding prescribed at-risk assumptions	4a		
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	4b		
5 Effective interest rate	5	5.32 %	
6 Target normal cost			
a Present value of current plan year accruals	6a	1795	
b Expected plan-related expenses	6b	1900000	
c Total (line 6a + line 6b)	6c	1901795	

Statement by Enrolled Actuary

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

<div>SIGN HERE</div>	<div>Signature of actuary</div> <div>JAMES TROTIER</div> <div>Type or print name of actuary</div> <div>MERCER</div> <div>Firm name</div> <div>200 PUBLIC SQUARE SUITE 3760 CLEVELAND, OH 44114</div> <div>Address of the firm</div>	<div>10/16/2023</div> <div>Date</div> <div>23-08425</div> <div>Most recent enrollment number</div> <div>216-830-8027</div> <div>Telephone number (including area code)</div>
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Part II Beginning of Year Carryover and Prefunding Balances		
	(a) Carryover balance	(b) Prefunding balance
7 Balance at beginning of prior year after applicable adjustments (line 13 from prior year).....	0	943877
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	0
9 Amount remaining (line 7 minus line 8)	0	943877
10 Interest on line 9 using prior year's actual return of <u>11.94</u> %	0	112699
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38a from prior year).....		2421584
b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>5.49</u> %.....		132945
b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
c Total available at beginning of current plan year to add to prefunding balance.....		2554529
d Portion of (c) to be added to prefunding balance.....		2554529
12 Other reductions in balances due to elections or deemed elections	0	0
13 Balance at beginning of current year (line 9 + line 10 + line 11d – line 12).....	0	3611105

Part III Funding Percentages		
14 Funding target attainment percentage	14	101.43 %
15 Adjusted funding target attainment percentage	15	103.04 %
16 Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement.....	16	94.06 %
17 If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage.	17	%

Part IV Contributions and Liquidity Shortfalls					
18 Contributions made to the plan for the plan year by employer(s) and employees:					
(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
Totals ►			18(b)	0	18(c) 0

19 Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:		
a Contributions allocated toward unpaid minimum required contributions from prior years.....	19a	0
b Contributions made to avoid restrictions adjusted to valuation date.	19b	0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date.	19c	0
20 Quarterly contributions and liquidity shortfalls:		
a Did the plan have a "funding shortfall" for the prior year?..... ☒ Yes ☐ No		
b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☒ Yes ☐ No		
c If line 20a is "Yes," see instructions and complete the following table as applicable:		
Liquidity shortfall as of end of quarter of this plan year		
(1) 1st	(2) 2nd	(3) 3rd
0	0	0
(4) 4th		
0		

Part V Assumptions Used to Determine Funding Target and Target Normal Cost

21 Discount rate:			
a Segment rates:	1st segment: 4.75 %	2nd segment: 5.18 %	3rd segment: 5.92 %
			☐ N/A, full yield curve used
b Applicable month (enter code).....			21b 0
22 Weighted average retirement age			22 63
23 Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute			

Part VI Miscellaneous Items

24 Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment.		☒ Yes ☐ No
25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment.		☐ Yes ☒ No
26 Demographic and benefit information		
a Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment.		☒ Yes ☐ No
b Is the plan required to provide a projection of expected benefit payments? If "Yes," see instructions regarding required attachment ...		☒ Yes ☐ No
27 If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment		27

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

28 Unpaid minimum required contributions for all prior years.....	28	0
29 Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a)	29	0
30 Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	30	0

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):			
a Target normal cost (line 6c).....		31a	1901795
b Excess assets, if applicable, but not greater than line 31a		31b	1901795
32 Amortization installments:		Outstanding Balance	Installment
a Net shortfall amortization installment		0	0
b Waiver amortization installment		0	0
33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount		33	
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)....		34	0
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement.....			0
36 Additional cash requirement (line 34 minus line 35)		36	0
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c).....		37	0
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)		38a	0
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances		38b	
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)		39	0
40 Unpaid minimum required contributions for all years.....		40	0

Part IX Pension Funding Relief Under the American Rescue Plan Act of 2021 (See Instructions)

41 If an election was made to use the extended amortization rule for a plan year beginning on or before December 31, 2021, check the box to indicate the first plan year for which the rule applies. ☒ 2019 ☐ 2020 ☐ 2021
--

<div>SCHEDULE C</div> <div>(Form 5500)</div> <div>Department of the Treasury Internal Revenue Service</div> <div>Department of Labor Employee Benefits Security Administration</div> <div>Pension Benefit Guaranty Corporation</div>	<div>Service Provider Information</div> <div>This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).</div> <div>▶ File as an attachment to Form 5500.</div>	OMB No. 1210-0110
		2022
		This Form is Open to Public Inspection.

For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan FERRO CORPORATION PENSION PLAN FOR LEGACY EMPLOYEES	B Three-digit plan number (PN) ▶	007
C Plan sponsor's name as shown on line 2a of Form 5500 FERRO CORPORATION	D Employer Identification Number (EIN) 34-0217820	

Part I	Service Provider Information (see instructions)
--------	---

You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

- a Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions)..... ☒ Yes ☐ No
- b If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
SEI TRUST COMPANY
06-1271230

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
--

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
--

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
--

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

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(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

SEI INVESTMENTS

23-3060382

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
21 51	NONE	613029	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

MERCER (US) INC.

13-2834414

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
11	NONE	162432	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

CBIZ BENEFITS & INSURANCE

31-1582098

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
13 15	NONE	114444	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

PRUDENTIAL RETIREMENT INS. & ANNUIT

06-1050034

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
13 28 62 68	NONE	33626	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

BDO USA, LLP

13-5381590

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
10	NONE	20500	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

AETNA

06-6033492

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51 13	NONE	13299	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

a Name:	BDO USA, LLP	b EIN:	13-5381590
c Position:	AUDITOR		
d Address:	1300 EAST NINTH STREET SUITE 1301 CLEVELAND, OH 44114	e Telephone:	704-887-4236

Explanation: DECIDED TO CHANGE AUDITORS.

a Name:		b EIN:	
c Position:			
d Address:		e Telephone:	

Explanation:

a Name:		b EIN:	
c Position:			
d Address:		e Telephone:	

Explanation:

a Name:		b EIN:	
c Position:			
d Address:		e Telephone:	

Explanation:

a Name:		b EIN:	
c Position:			
d Address:		e Telephone:	

Explanation:

SCHEDULE D (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small>	DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ► File as an attachment to Form 5500.	OMB No. 1210-0110 <div style="text-align: center; font-size: 1.2em; font-weight: bold;">2022</div> This Form is Open to Public Inspection.
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan FERRO CORPORATION PENSION PLAN FOR LEGACY EMPLOYEES	B Three-digit plan number (PN) ►	007
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 FERRO CORPORATION	D Employer Identification Number (EIN) 34-0217820	

Part I	Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)
---------------	--

a Name of MTIA, CCT, PSA, or 103-12 IE: SEI CORE PROPERTY COLLECTIVE INV TR		
b Name of sponsor of entity listed in (a): SEI INVESTMENTS		
c EIN-PN 27-3224429-045	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 20442459
a Name of MTIA, CCT, PSA, or 103-12 IE: DRYDEN S&P 500 INDEX		
b Name of sponsor of entity listed in (a): PRUDENTIAL RETIREMENT INS.		
c EIN-PN 06-1050034-123	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 282304
a Name of MTIA, CCT, PSA, or 103-12 IE: CORE PLUS BOND/REAMS FUND		
b Name of sponsor of entity listed in (a): PRUDENTIAL RETIREMENT INS.		
c EIN-PN 06-1050034-040	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 136803
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIVATE PLACEMENT FUND		
b Name of sponsor of entity listed in (a): PRUDENTIAL RETIREMENT INS.		
c EIN-PN 06-1050034-042	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 99731
a Name of MTIA, CCT, PSA, or 103-12 IE: INTERNATIONAL BLEND/WELLINGTON		
b Name of sponsor of entity listed in (a): PRUDENTIAL RETIREMENT INS.		
c EIN-PN 06-1050034-349	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 47108
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity
code

e Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity
code

e Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity
code

e Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity
code

e Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity
code

e Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity
code

e Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity
code

e Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity
code

e Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity
code

e Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity
code

e Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

Part II **Information on Participating Plans (to be completed by DFEs)**

(Complete as many entries as needed to report all participating plans)

a Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
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plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN

SCHEDULE H (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection
For calendar plan year 2022 or fiscal plan year beginning <u>01/01/2022</u> and ending <u>12/31/2022</u>		
A Name of plan <u>FERRO CORPORATION PENSION PLAN FOR LEGACY EMPLOYEES</u>		B Three-digit plan number (PN) <u>007</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>FERRO CORPORATION</u>		D Employer Identification Number (EIN) <u>34-0217820</u>

Part I Asset and Liability Statement			
1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.			
Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash.....	1a	301	0
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions.....	1b(1)	0	0
(2) Participant contributions.....	1b(2)	0	0
(3) Other.....	1b(3)	159245	1904041
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....	1c(1)	0	0
(2) U.S. Government securities.....	1c(2)	0	0
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred.....	1c(3)(A)	0	0
(B) All other.....	1c(3)(B)	0	0
(4) Corporate stocks (other than employer securities):			
(A) Preferred.....	1c(4)(A)	0	0
(B) Common.....	1c(4)(B)	6180095	0
(5) Partnership/joint venture interests.....	1c(5)	0	0
(6) Real estate (other than employer real property).....	1c(6)	0	0
(7) Loans (other than to participants).....	1c(7)	0	0
(8) Participant loans.....	1c(8)	0	0
(9) Value of interest in common/collective trusts.....	1c(9)	16442984	20442459
(10) Value of interest in pooled separate accounts.....	1c(10)	1053832	565946
(11) Value of interest in master trust investment accounts.....	1c(11)	0	0
(12) Value of interest in 103-12 investment entities.....	1c(12)	0	0
(13) Value of interest in registered investment companies (e.g., mutual funds).....	1c(13)	218370349	166845711
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)	1601232	1556045
(15) Other.....	1c(15)	0	0

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)	0	0
(2) Employer real property	1d(2)	0	0
e Buildings and other property used in plan operation	1e	0	0
f Total assets (add all amounts in lines 1a through 1e)	1f	243808038	191314202

Liabilities

g Benefit claims payable	1g	0	0
h Operating payables	1h	0	0
i Acquisition indebtedness	1i	0	0
j Other liabilities	1j	0	0
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	0

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	243808038	191314202
---	-----------	-----------	-----------

Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income

		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	0	
(B) Participants	2a(1)(B)	0	
(C) Others (including rollovers)	2a(1)(C)	0	
(2) Noncash contributions	2a(2)	0	
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		0
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)	64463	
(B) U.S. Government securities	2b(1)(B)	0	
(C) Corporate debt instruments	2b(1)(C)	0	
(D) Loans (other than to participants)	2b(1)(D)	0	
(E) Participant loans	2b(1)(E)	0	
(F) Other	2b(1)(F)	0	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		64463
(2) Dividends: (A) Preferred stock	2b(2)(A)	0	
(B) Common stock	2b(2)(B)	0	
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	4558254	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		4558254
(3) Rents	2b(3)		0
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)	13521001	
(B) Aggregate carrying amount (see instructions)	2b(4)(B)	13372085	
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		148916
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)	0	
(B) Other	2b(5)(B)	3730603	
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		3730603

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		0
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		16697
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		0
(9) Net investment gain (loss) from 103-12 investment entities.....	2b(9)		0
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		-39884525
c Other income	2c		0
d Total income. Add all income amounts in column (b) and enter total	2d		-31365592
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	20430911	
(2) To insurance carriers for the provision of benefits	2e(2)	0	
(3) Other	2e(3)	0	
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		20430911
f Corrective distributions (see instructions)	2f		0
g Certain deemed distributions of participant loans (see instructions)	2g		0
h Interest expense	2h		0
i Administrative expenses: (1) Professional fees	2i(1)	298063	
(2) Contract administrator fees	2i(2)		
(3) Investment advisory and management fees	2i(3)	664654	
(4) Other	2i(4)	1420019	
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		2382736
j Total expenses. Add all expense amounts in column (b) and enter total	2j		22813647
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d	2k		-54179239
l Transfers of assets:			
(1) To this plan	2l(1)		1685403
(2) From this plan	2l(2)		

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☒ Unmodified (2) ☐ Qualified (3) ☐ Disclaimer (4) ☐ Adverse

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1) ☒ DOL Regulation 2520.103-8 (2) ☐ DOL Regulation 2520.103-12(d) (3) ☐ neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: CLARK, SCHAEFER, HACKETT & CO.

(2) EIN: 31-0800053

d The opinion of an independent qualified public accountant is **not attached** because:

(1) ☐ This form is filed for a CCT, PSA, or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)

	Yes	No	Amount
4a		X	

	Yes	No	Amount
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)			
4b		X	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)			
4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)			
4d		X	
e Was this plan covered by a fidelity bond?	X		1000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	X		
4i	X		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.)	X		
4j	X		
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?		X	
4k		X	
l Has the plan failed to provide any benefit when due under the plan?		X	
4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)		X	
4m		X	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.			
4n			

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? ☐ Yes ☒ No
If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) ☒ Yes ☐ No ☐ Not determined
If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year 480906.

<div>SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation</div>	<div>Retirement Plan Information</div> <div>This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code).</div> <div>► File as an attachment to Form 5500.</div>	<div>OMB No. 1210-0110</div> <div>2022</div> <div>This Form is Open to Public Inspection.</div>
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan FERRO CORPORATION PENSION PLAN FOR LEGACY EMPLOYEES		B Three-digit plan number (PN) 007
C Plan sponsor's name as shown on line 2a of Form 5500 FERRO CORPORATION		D Employer Identification Number (EIN) 34-0217820
Part I Distributions		
All references to distributions relate only to payments of benefits during the plan year.		
1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....		1 0
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): 23-3060382 06-1050034		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year.....		3 50
Part II Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)		
4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? ☐ Yes ☒ No ☐ N/A If the plan is a defined benefit plan, go to line 8.		
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.		
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived).....		6a
b Enter the amount contributed by the employer to the plan for this plan year.....		6b
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount).....		6c
If you completed line 6c, skip lines 8 and 9.		
7 Will the minimum funding amount reported on line 6c be met by the funding deadline? ☐ Yes ☐ No ☐ N/A		
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? ☐ Yes ☐ No ☒ N/A		
Part III Amendments		
9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box..... ☐ Increase ☐ Decrease ☐ Both ☒ No		
Part IV ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.		
10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?..... ☐ Yes ☐ No		
11 a Does the ESOP hold any preferred stock?..... ☐ Yes ☐ No		
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.)..... ☐ Yes ☐ No		
12 Does the ESOP hold any stock that is not readily tradable on an established securities market?..... ☐ Yes ☐ No		
For Paperwork Reduction Act Notice, see the Instructions for Form 5500.		
Schedule R (Form 5500) 2022 v. 220413		

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that (1) contributed more than 5% of total contributions to the plan during the plan year or (2) was one of the top-ten highest contributors (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

14	Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:	
a	The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment).....	14a
b	The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14b
c	The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14c
15	Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:	
a	The corresponding number for the plan year immediately preceding the current plan year.....	15a
b	The corresponding number for the second preceding plan year.....	15b
16	Information with respect to any employers who withdrew from the plan during the preceding plan year:	
a	Enter the number of employers who withdrew during the preceding plan year	16a
b	If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers.....	16b
17	If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐	

Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans

18 If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐

19 If the total number of participants is 1,000 or more, complete lines (a) through (c)

a Enter the percentage of plan assets held as:
 Stock: 60.0 % Investment-Grade Debt: 25.0 % High-Yield Debt: 7.0 % Real Estate: 7.0 % Other: 1.0 %

b Provide the average duration of the combined investment-grade and high-yield debt:
☐ 0-3 years ☐ 3-6 years ☒ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more

c What duration measure was used to calculate line 19(b)?
☒ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify): _____

20 PBGC missed contribution reporting requirements. If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20.

a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? ☐ Yes ☒ No

b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box:

☐ Yes.

☐ No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date.

☐ No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date.

☐ No. Other. Provide explanation _____

Ferro Corporation Pension Plan for Legacy Employees

Financial Statements and Supplemental Schedules

December 31, 2022 and 2021

with Independent Auditors' Report

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INDEPENDENT AUDITORS' REPORT

To the Participants and Investment Administration Committee
Ferro Corporation Pension Plan for Legacy Employees

Scope and Nature of the ERISA Section 103(a)(3)(C) Audit for the 2022 Financial Statements

We have performed an audit of the accompanying financial statements of the Ferro Corporation Pension Plan for Legacy Employees, an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), as permitted by ERISA Section 103(a)(3)(C) [ERISA Section 103(a)(3)(C) audit]. The financial statements comprise the statement of net assets available for benefits as of December 31, 2022, and the related statement of changes in net assets available for benefits for the year then ended, and the related notes to the financial statements (2022 financial statements).

Management, having determined it is permissible in the circumstances, has elected to have the audit of the 2022 financial statements performed in accordance with ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audit need not extend to any statements or information related to assets held for investment of the plan (investment information) by a bank or similar institution or insurance carrier that is regulated, supervised, and subject to periodic examination by a state or federal agency, provided that the statements or information regarding assets so held are prepared and certified to by the bank or similar institution or insurance carrier in accordance with 29 CFR 2520.103-5 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA (qualified institution).

Management has obtained certifications from qualified institutions as of December 31, 2022, and for the year then ended, stating that the certified investment information, as described in Note 3 to the financial statements, is complete and accurate.

Opinion on the 2022 Financial Statements

In our opinion, based on our audit and on the procedures performed as described in the Auditors' Responsibilities for the Audit of the 2022 Financial Statements section:

- The amounts and disclosures in the accompanying 2022 financial statements, other than those agreed to or derived from the certified investment information, are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America.
- The information in the accompanying 2022 financial statements related to assets held by and certified to by qualified institutions agrees to, or is derived from, in all material respects, the information prepared and certified by the institutions that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Basis for Opinion on the 2022 Financial Statements

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the 2022 Financial Statements section of our report. We are required to be independent of Ferro Corporation Pension Plan for Legacy Employees and to meet our other ethical

responsibilities, in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion on the 2022 financial statements.

Responsibilities of Management for the 2022 Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error. Management's election of the ERISA Section 103(a)(3)(C) audit does not affect management's responsibility for the financial statements.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about Ferro Corporation Pension Plan for Legacy Employees' ability to continue as a going concern for one year after the date that the financial statements are available to be issued.

Management is also responsible for maintaining a current plan instrument, including all plan amendments, administering the plan, and determining that the plan's transactions that are presented and disclosed in the financial statements are in conformity with the plan's provisions, including maintaining sufficient records with respect to each of the participants, to determine the benefits due or which may become due to such participants.

Auditors' Responsibilities for the Audit of the 2022 Financial Statements

Except as described in the Scope and Nature of the ERISA Section 103(a)(3)(C) Audit of the 2022 Financial Statements section of our report, our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if, there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.

- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of Ferro Corporation Pension Plan for Legacy Employees' internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about Ferro Corporation Pension Plan for Legacy Employees' ability to continue as a going concern for a reasonable period of time.

Our audit did not extend to the certified investment information, except for obtaining and reading the certifications, comparing the certified investment information with the related information presented and disclosed in the 2022 financial statements, and reading the disclosures relating to the certified investment information to assess whether they are in accordance with the presentation and disclosure requirements of accounting principles generally accepted in the United States of America.

Accordingly, the objective of an ERISA Section 103(a)(3)(C) audit is not to express an opinion about whether the 2022 financial statements as a whole are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Other Matters - 2022 Supplemental Schedules Required by ERISA

The supplemental schedule of assets (held at end of year) as of December 31, 2022 and the supplemental schedule of reportable transactions for the year ended December 31, 2022 are presented for purposes of additional analysis and are not a required part of the financial statements but are supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information included in the supplemental schedules, other than that agreed to or derived from the certified investment information, has been subjected to auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS. For information included in the supplemental schedules that agreed to or is derived from the certified investment information, we compared such information to the related certified investment information.

In forming our opinion on the supplemental schedules, we evaluated whether the supplemental schedules, other than the information agreed to or derived from the certified investment information, including their form and content, are presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion:

- The form and content of the supplemental schedules, other than the information in the supplemental schedules that agreed to or is derived from the certified investment information, are presented, in all material respects, in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.
- The information in the supplemental schedules related to assets held by and certified to by qualified institutions agrees to, or is derived from, in all material respects, the information prepared and certified by institutions that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Auditors' Report on the 2021 Financial Statements

Predecessor auditors performed an audit of the 2021 financial statements of the Ferro Corporation Pension Plan for Legacy Employees. In accordance with ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA, the prior year audit did not extend to any statements or information related to assets held for investment of the plan that were certified by a qualified institution. Their report dated October 17, 2022 indicated that (a) the amounts and disclosures in the 2021 financial statements, other than those agreed to or derived from the certified investment information, were presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America, and (b) the information in the 2021 financial statements related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C). Their report also indicated that the form and content of the 2021 supplemental schedules, other than the information in the 2021 supplemental schedules that agreed to or is derived from the certified investment information, were presented, in all material respects, in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA, and the information in the 2021 supplemental schedules related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determines meets the requirements of ERISA Section 103(a)(3)(C).

Clark, Schaefer, Hackett & Co.

Columbus, Ohio
October 16, 2023

Ferro Corporation Pension Plan for Legacy Employees
Statements of Net Assets Available for Benefits
December 31, 2022 and 2021

	<u>2022</u>	<u>2021</u>
Assets:		
Investments at fair value		
Mutual funds	\$ 166,845,711	218,370,338
Money market fund	-	11
Cash	-	301
Ferro Corporation common stock	-	6,180,095
Common collective trust	20,442,459	16,442,984
Pooled separate accounts	<u>565,946</u>	<u>1,053,832</u>
	<u>187,854,116</u>	<u>242,047,561</u>
Investments at contract value	<u>1,556,045</u>	<u>1,601,232</u>
Receivables:		
Chromaflo transfer in receivable	1,685,403	-
Accrued income	<u>218,638</u>	<u>159,245</u>
Total receivables	<u>1,904,041</u>	<u>159,245</u>
Net assets available for benefits	\$ <u><u>191,314,202</u></u>	<u><u>243,808,038</u></u>

See accompanying notes to the financial statements.

Ferro Corporation Pension Plan for Legacy Employees
Statements of Changes in Net Assets Available for Benefits
Years Ended December 31, 2022 and 2021

	<u>2022</u>	<u>2021</u>
Additions:		
Investment income:		
Net appreciation in fair value of investments	\$ -	22,731,035
Dividends and interest	<u>4,641,447</u>	<u>5,032,490</u>
	<u>4,641,447</u>	<u>27,763,525</u>
Employer contributions	<u>-</u>	<u>5,733,044</u>
Total additions	<u>4,641,447</u>	<u>33,496,569</u>
Deductions:		
Net depreciation in fair value of investments	36,007,039	-
Benefits paid to participants	20,430,911	21,076,819
Administrative expenses	<u>2,382,736</u>	<u>2,469,391</u>
Total deductions	<u>58,820,686</u>	<u>23,546,210</u>
Net change before transfer	(54,179,239)	9,950,359
Transfer in	<u>1,685,403</u>	<u>-</u>
Net change after transfer	(52,493,836)	9,950,359
Net assets available for benefits:		
Beginning of year	<u>243,808,038</u>	<u>233,857,679</u>
End of year	\$ <u><u>191,314,202</u></u>	<u><u>243,808,038</u></u>

See accompanying notes to the financial statements.

1. DESCRIPTION OF PLAN:

The following description of the Ferro Corporation Pension Plan for Legacy Employees (the Plan) provides only general information. Participants should refer to the plan agreement for a more complete description of the Plan's provisions.

General

The Plan was established on October 31, 2017, as a result of a spin-off from the Ferro Corporation Pension Plan and is a frozen defined benefit pension plan sponsored by Ferro Corporation (the Company or Employer) under which certain salaried and hourly rate employees at various facilities of the Company have frozen accrued benefits. Assets and benefit obligations were transferred to the Plan from the Ferro Corporation Pension Plan (the predecessor plan) as part of a spin-off. Participants and beneficiaries meeting certain requirements were transferred to the Plan. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA) as amended.

During April 2022, Ferro Corporation, Prince International Corporation and Chromaflo Technologies were acquired by Vibrantz Corporation. The Plan previously held Ferro Corporation stock as a Plan investment. As a result of the acquisition the Ferro Corporation stock was removed as an investment option and the stock was sold.

Effective December 31, 2022 (merger date), the Plan was amended to merge the Chromaflo Technologies Corporation Defined Benefit Plan for Employees Represented by International Brotherhood of Teamsters, Truck Drivers, Chauffeurs and Helpers (Chromaflo Plan) into this Plan. Plan assets and liabilities of the Chromaflo Plan shall be the assets and liabilities of the Plan as of the merger date; however, the assets and liabilities had not transferred as of the merger date (see also Note 11).

Contributions

Employer contributions are made in amounts sufficient, on an actuarial basis, to fund at a minimum, the Plan's normal cost on a current basis and to fund the actuarial liability for past service costs in accordance with Department of Treasury Regulations. The Employer's contributions to the Plan during the years ended December 31, 2022 and 2021 satisfied the minimum funding requirements established by ERISA and did not exceed the Employer's maximum allowable contributions for that Plan year.

Pension benefits

Plan participants stopped accruing benefits at various dates prior to January 1, 2011. Under terms of the Plan document, participants are eligible for monthly normal retirement benefit payments upon retirement after reaching age 65, or they may retire on or after age 55 (age 60 at the Baton Rouge, Niagara Falls and Nashville facilities) and receive early retirement benefits provided they are credited with at least 10 years of credited service (15 years of credited vesting service at the Niagara Falls and Nashville facilities). Normal monthly benefits are determined by multiplying the number of years of credited service by a monthly benefit factor.

The Plan was amended, effective April 15, 2020, to allow distributions to eligible participants who have attained age 59 ½ and who have not separated from employment at the time of such distribution (subject to Department of Labor regulations related to disability claims).

Prior to January 1, 2011, the predecessor plan provided for disability benefits for active participants who terminated employment due to permanent and total disability. A range of five to fifteen years of credited vesting service, depending on the facility, were needed to become vested in accrued benefits under the Plan.

If a participant eligible for vested benefits dies before benefit payments begin, the surviving spouse may be entitled to a death benefit equal to the survivor portion under the Plan's joint and 50% survivor annuity. Any active participant who became eligible for disability retirement payments under the Plan prior to January 1, 2022, receives disability benefits that are equal to his or her accrued benefit as of the time of disability.

If a participant terminates employment, and the present value of his or her vested accrued benefit on his or her severance date does not exceed \$1,000, the Plan will distribute the present value of such vested accrued benefit to the participant.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES:

Basis of accounting

The financial statements of the plan are prepared on the accrual basis of accounting.

Use of estimates

The preparation of financial statements in accordance with U.S. GAAP requires the management to make estimates and assumptions that affect the reported amounts of assets, liabilities, and changes therein; disclosure of contingent assets and liabilities; and the actuarial present value of accumulated plan benefits at the date of the financial statements, and changes therein. Actual results could differ from those estimates.

Investment valuation and income recognition

Investments are reported at fair value (except investment contracts, which are reported at contract value). Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The Plan's Investment Committee determines the Plan's valuation policies utilizing information provided by the investment advisers, custodians, and insurance companies.

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. Net appreciation (depreciation) includes the Plan's gains and losses on investments bought and sold as well as held during the year.

Payment of benefits

Benefits are recorded when paid.

Expenses

The Plan's expenses are paid either by the Plan or the Company, as provided by the plan document. Expenses that are paid directly by the Company are excluded from these financial statements. Certain expenses incurred in connection with the general administration of the Plan that are paid by the Plan are recorded as administrative expenses.

Reclassifications

Certain amounts in the 2021 financial statements have been reclassified to conform to the 2022 presentation.

3. INFORMATION CERTIFIED BY THE PLAN'S TRUSTEE AND CUSTODIANS:

Plan management has elected the method of compliance permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Accordingly, SEI Private Trust Company, the trustee, Prudential Retirement Insurance & Annuity Company and Aetna Life and Casualty Insurance Company, the custodians, have certified to the completeness and accuracy of all investments reflected on the accompanying statements of net assets available for benefits as of December 31, 2022 and 2021 and the supplemental schedule of assets (held at end of year) as of December 31, 2022, the related investment activity reflected in the statements of changes in net assets available for benefits for the years ended December 31, 2022 and 2021, and the information reflected on the supplemental schedule of reportable transactions for the year ended December 31, 2022.

4. FAIR VALUE MEASUREMENTS:

The framework for measuring fair value provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1) and the lowest priority to unobservable inputs (Level 3). The three levels of the fair value hierarchy are described as follows:

Level 1: Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access.

Level 2: Inputs to the valuation methodology include:

- Quoted prices for similar assets or liabilities in active markets;
- Quoted prices for identical or similar assets or liabilities in inactive markets;
- Inputs other than quoted prices that are observable for the asset or liability;
- Inputs that are derived principally from or corroborated by observable market data by correlation or other means.

If the asset or liability has a specified (contractual) term, the level 2 input must be observable for substantially the full term of the asset or liability.

Level 3: Inputs to the valuation methodology are unobservable and significant to the fair value measurement.

The asset or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques used need to maximize the use of observable inputs and minimize the use of unobservable inputs.

Following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes in the methodologies used at December 31, 2022 and 2021.

Mutual funds: Valued at the daily closing price as reported by the fund. Mutual funds held by the Plan are open-end mutual funds that are registered with the U.S. Securities and Exchange Commission. These funds are required to publish their daily net asset value (NAV) and to transact at that price. The mutual funds held by the Plan are deemed to be actively traded.

Common collective trust fund: Valued at the NAV of units of a collective trust. The NAV, as provided by the trustee, is used as a practical expedient to estimate fair value. The NAV is based on the fair value of the underlying investments held by the fund less its liabilities. This practical expedient would not be used if it is determined to be probable that the fund will sell the investment for an amount different from the reported NAV. Participant transactions (purchases and sales) may occur daily. Were the Plan to initiate a full redemption of the collective trust, the issuer reserves the right to temporarily delay withdrawal from the trust in order to ensure that securities liquidations will be carried out in an orderly business manner.

Pooled separate accounts: Pooled separate accounts are held in investment contracts with the custodian and are invested according to the stated objectives of the various accounts. The principal is not guaranteed. The pooled separate accounts are valued at the NAV, which is based on the market value of its underlying investments. The NAV is used as a practical expedient to estimate fair value. This practical expedient would not be used if it is determined to be probable that the fund will sell the investment for an amount different from the reported net asset value. Participant transactions (purchases and sales) may occur daily.

Ferro Corporation common stock: Valued at the closing price as reported on the active market on which the individual security is traded.

Money market fund: Equivalent to cash and valued at \$1 per share, which approximates fair value.

The following tables set forth by level, within the fair value hierarchy, the Plan's assets at fair value as of December 31, 2022 and 2021. Classification within the fair value hierarchy table is based on the lowest level of any input that is significant to the fair value measurement:

<u>Assets at Fair Value as of December 31, 2022</u>				
	<u>Level 1</u>	<u>Level 2</u>	<u>Level 3</u>	<u>Fair Value</u>
Investments in fair value hierarchy:				
Mutual funds	\$ 166,845,711	-	-	166,845,711
Investments measured at NAV:				
Common collective trust	-	-	-	20,442,459
Pooled separate accounts	-	-	-	565,946
	<u>\$ 166,845,711</u>	<u>-</u>	<u>-</u>	<u>187,854,116</u>

<u>Assets at Fair Value as of December 31, 2021</u>				
	<u>Level 1</u>	<u>Level 2</u>	<u>Level 3</u>	<u>Fair Value</u>
Investments in fair value hierarchy:				
Mutual funds	\$ 218,370,338	-	-	218,370,338
Money market	11	-	-	11
Ferro Corporation stock	6,180,095	-	-	6,180,095
Cash	301	-	-	301
Investments measured at NAV:				
Common collective trust	-	-	-	16,442,984
Pooled separate accounts	-	-	-	1,053,832
	<u>\$ 224,550,745</u>	<u>-</u>	<u>-</u>	<u>242,047,561</u>

Investments Measured Using the Net Asset Value per Share Practical Expedient

The following table summarizes investments for which fair value is measured using the net asset value per share practical expedient as of December 31, 2022 and 2021, respectively. There are no participant redemption restrictions for these investments; the redemption notice period is applicable only to the Plan.

<u>December 31, 2022</u>	<u>Fair Value</u>	<u>Unfunded Commitments</u>	<u>Redemption Frequency (if currently eligible)</u>	<u>Redemption Notice Period</u>
Pooled separate accounts	\$ 565,946	n/a	Daily	30 days
Common collective trust	20,442,459	n/a	Daily	None

<u>December 31, 2021</u>	<u>Fair Value</u>	<u>Unfunded Commitments</u>	<u>Redemption Frequency (if currently eligible)</u>	<u>Redemption Notice Period</u>
Pooled separate accounts	\$ 1,053,832	n/a	Daily	30 days
Common collective trust	16,442,984	n/a	Daily	None

5. INVESTMENT CONTRACTS WITH INSURANCE COMPANIES:

The Plan has an investment fixed annuity contract with Prudential Retirement Insurance & Annuity Company (Prudential) totaling \$352,800 and \$415,070 as of December 31, 2022 and 2021, respectively. Prudential maintains the contributions in a general account. Assets contained in the general account consist of an immediate participation guarantee contract, which is invested primarily in publicly traded and privately placed debt securities and mortgage loans. Participants of the guaranteed deposit account receive a book value account interest rate that is determined based on the anticipated market returns in the general fund, in addition to any plan-specific contract charges. The declared interest rates for the years ended December 31, 2022 and 2021 ranged from 1.50% to 2.70% and 1.50% to 3.70%, respectively.

The Plan has an investment group annuity contract with Aetna Life and Casualty Insurance Company (Aetna) totaling \$1,203,245 and \$1,186,162 as of December 31, 2022 and 2021, respectively. Assets contained in the general account consist of an immediate participation guarantee contract, which is invested primarily in publicly traded and privately placed debt securities and mortgage loans. Participants of the fixed income account receive a book value account interest rate that is determined based on the anticipated market returns in the general fund, in addition to any plan-specific contract charges. The average annual effective interest rate for the years ended December 31, 2022 and 2021 was 4.74% and 4.78%, respectively. This rate does not reflect any reduction due to contract service fees.

These investments are reported at contract value.

6. ACCUMULATED PLAN BENEFITS:

Accumulated plan benefits are those estimated future periodic payments, including lump-sum distributions, which are attributable under the Plan's provisions to services rendered by the employees to the valuation date. Accumulated plan benefits include benefits expected to be paid to (a) retired or terminated employees or their beneficiaries, (b) beneficiaries of employees who have died, and (c) present employees or their beneficiaries. Benefits for retired or terminated employees or their beneficiaries are based on employees' compensation and credited service. The accumulated plan benefits for the active employees are also based on their average compensation during the specified year preceding the valuation date. Benefits payable under all circumstances – retirement, death, disability, and termination of employment – are included to the extent they are deemed attributable to employee service rendered to the latest valuation date.

The actuarial present value of accumulated plan benefits is determined by an independent actuary and is that amount that results from applying actuarial assumptions to adjust the accumulated plan benefits to reflect the time value of money (through discounts for interest) and the probability of payment (by means of decrements such as for death, disability, withdrawal, or retirement) between the valuation date and the expected date of payment.

The significant actuarial assumptions used to calculate the value of vested benefits and accrued benefits for the years beginning January 1, 2022 and 2021 include:

- Expected investment return rate of 6.25% and 6.50%, respectively;
- Assumed rates of mortality, turnover, and disability based on published statistical data. Mortality tables used are Sex distinct Pri-2012 healthy employee generational table projected using scale MSS-2021 and MSS 2020, respectively (white collar and blue collar) and Mercer industry Longevity Experience Study (MILES) retiree table for the Basic Materials and Paper & Packaging Industry projected using MSS-2021 and MSS 2020, respectively.
- Assumed a range of 50% to 70% of participants are married, with males having spouses who are one year younger and females having spouses who are two years older for 2022 and a range of 70% to 85% of participants are married, with males having spouses who are three years younger and females having spouses who are three years older for 2021;
- Normal retirement age at 63;
- Administrative expenses will continue to be paid from the trust.

The foregoing actuarial assumptions are based on the presumption that the Plan will continue. Were the Plan to terminate, different actuarial assumptions and other factors might be applicable in determining the actuarial present value of plan benefits. The computations of the actuarial present value of accumulated plan benefits were made as of January 1, 2022.

The actuarial present value of accumulated plan benefits as of the beginning of each Plan year is as follows at January 1, 2022:

Actuarial present value of accumulated plan benefits:

Vested benefits:	
Participants currently receiving payments	\$ 164,957,001
Other participants	<u>41,804,827</u>
	206,761,828
Non vested benefits	<u>97,507</u>
Total actuarial present value of accumulated plan benefits	\$ <u>206,859,335</u>

Changes during the year in the actuarial present value of accumulated plan benefits as of January 1, 2022 are as follows:

Actuarial present value of accumulated plan benefits at beginning of period	\$ 209,593,790
Increase (decrease) during the year attributable to:	
Benefits accumulated	1,457,118
Increase for interest	12,881,517
Benefits paid	(21,076,819)
Changes in actuarial assumptions	<u>4,003,729</u>
Net change	<u>(2,734,455)</u>
Total actuarial present value of accumulated plan benefits at end of period	\$ <u>206,859,335</u>

7. RELATED PARTY AND PARTY IN INTEREST TRANSACTIONS:

Certain Plan investments are managed by SEI Private Trust Company (trustee), Prudential Retirement Insurance & Annuity Company and Aetna Life and Casualty Insurance Company (custodians). Therefore, these transactions, and any related fees paid, qualify as party in interest transactions. The investment in Ferro Stock at December 31, 2021 is also a related party.

8. PLAN TERMINATION:

Although it has not expressed any intent to do so, the Company has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions of ERISA. In the event of Plan termination, the net assets of the Plan will be allocated for payment in order of priority determined in accordance with ERISA, applicable regulations therefore, and the Plan document.

Certain benefits under the Plan are insured by the Pension Benefit Guaranty Corporation (PBGC) if the Plan terminates. Generally, the PBGC guarantees most vested normal retirement benefits, early retirement benefits and certain disability and survivor's pensions. However, the PBGC does not guarantee all types of benefits under the Plan, and the amount of benefit protection is subject to certain limitations. Vested benefits under the Plan are guaranteed at the level in effect on the date of the Plan's termination.

Whether all participants receive their benefits should the Plan terminate at some future time will depend on the sufficiency, at that time, of the Plan's assets to provide for accumulated benefit obligations and may also depend on the financial condition of the Plan sponsor and the level of benefits guaranteed by the PBGC.

TAX STATUS:

The Internal Revenue Service (IRS) has determined and informed the Company by a letter dated July 13, 2018, that the Plan and related trust are designed in accordance with applicable sections of the Internal Revenue Code (IRC). Although the Plan has been amended since receiving the determination letter, the Plan administrator and the Plan's tax counsel believe that the Plan is designed, and is currently being operated, in compliance with the applicable requirements of the IRC and, therefore, believe that the Plan is qualified, and the related trust is tax-exempt.

9. RISKS AND UNCERTAINTIES:

The Plan invests in various investment securities. Investment securities are exposed to various risks, such as interest rate, market, and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the statement of net assets available for benefits.

Plan contributions are made, and the actuarial present value of accumulated plan benefits are reported based on certain assumptions pertaining to interest rates, inflation rates, and employee demographics, all of which are subject to change. Due to uncertainties inherent in the estimations and assumptions process, it is at least reasonably possible that changes in these estimates and assumptions in the near term would be material to the financial statements.

10. SUBSEQUENT EVENTS:

Effective January 1, 2023, the Plan name changed to Vibrantz Corporation Pension Plan for Legacy Employees.

Effective June 21, 2023, the Plan entered into a Master Trust Agreement with U.S. Bank National Association whereby the Plan and two defined benefit plans sponsored by Prince International Corporation would be maintained under a master trust agreement known as the Master Trust for Vibrantz Pension Plans. Assets from all plans were transferred to the Master Trust in August 2023. Additionally, the Chromaflo Plan assets were transferred into the Plan in August 2023 when all assets were transferred to the Master Trust. The Chromaflo Plan assets are included in Chromaflo transfer in receivable on the statements of net assets available for benefits at December 31, 2022.

The Plan has evaluated subsequent events through October 16, 2023, the date the financial statements were available to be issued.

Ferro Corporation Pension Plan for Legacy Employees
EIN: 34-0217820 Plan Number: 007
Schedule H, Line 4i – Schedule of Assets (Held at End of Year)
December 31, 2022

(a)	(b)	(c)	(d)	(e)
	Identity of issue, borrower, lessor or similar party	Description of investment including maturity date, rate of interest, collateral, par, or maturity value	Cost	Current Value
*	SEI Extended Market Index A	Mutual fund	\$ 7,881,665	6,842,625
*	SEI S&P 500 Index A	Mutual fund	47,683,936	50,463,423
*	SEI Institutional Investments Trust World Equity Ex-US Fund	Mutual fund	54,617,691	48,428,906
*	SEI Institutional Investments Trust Emerging Markets Debt Fund	Mutual fund	9,308,747	7,186,011
*	SEI Institutional Investments Trust Core Fixed Income Fund	Mutual fund	51,121,856	43,525,065
*	SEI Institutional Investments Trust High Yield Bond Fund	Mutual fund	13,248,826	10,399,681
*	SEI Core Property Collective Investment Trust	Common collective trust	7,062,037	20,442,459
*	Prudential Retirement Insurance and Annuity Company Dryden S&P 500 Index	Pooled separate account	98,926	282,304
*	Prudential Retirement Insurance and Annuity Company International Blend/Wellington	Pooled separate account	37,787	47,108
*	Prudential Retirement Insurance and Annuity Company Core Plus Bond / Reams Fund	Pooled separate account	118,476	136,803
*	Prudential Retirement Insurance and Annuity Company Private Placement SA-30	Pooled separate account	88,522	99,731
*	Aetna Life and Casualty Insurance Company Group Annuity GA-2951	Annuity contract	1,203,245	1,203,245
*	Prudential Retirement Insurance and Annuity Company General Account	Annuity contract	<u>352,800</u>	<u>352,800</u>
			\$ <u>192,824,514</u>	<u>189,410,161</u>

* A party in interest as defined by ERISA

Ferro Corporation Pension Plan for Legacy Employees
 EIN: 34-0217820 Plan Number: 007
 Schedule H, Line 4j – Schedule of Reportable Transactions
 Year Ended December 31, 2022

(a)	Identity of Party Involved	(b) Description of Asset	(c) Purchase Price	(d) Selling Price	(g) Cost of Asset	(h) Current Value on Transaction Date	(i) Net Gain/(Loss)
<u>Category (iii) - a series of transactions in same security in excess of 5%</u>							
*	SEI	SEI S&P 500 Index A					
		(309,432 shares purchased in 12 transactions)	\$ 5,719,796	-	5,719,796	5,719,796	-
		(320,702 shares sold in 36 transactions)	-	6,514,046	5,261,752	6,514,046	1,252,294

Note: "Reportable Transactions" as defined in Section 2520.103-6 of The Department of Labor Regulations.

There were no reportable category (i), (ii) or (iv) transactions for the year ended December 31, 2022.

Columns (e) and (f) were excluded as they were not applicable.

* A party in interest as defined by ERISA



Schedule SB, Line 26a — Schedule of Active Participant Data

Attained age	Years of credited service										
	Under 1	1–4	5–9	10–14	15–19	20–24	25–29	30–34	35–39	40 & up	Total
Under 25											
25–29											
30–34											
35–39											
40–44	1	2	4								7
45–49			6								6
50–54		3	11	10	5						29
55–59		2	4	9	11	13		1			40
60–64		2	11	7	3	9	2				34
65–69			2	1							3
70 & up											
Total	1	9	38	27	19	22	2	1			119

In each cell, the number is the count of active participants for each age/service combination.

Schedule SB, Part V — Statement of Actuarial Assumptions/Methods**Actuarial Assumptions for January 1, 2022 Funding Valuation**

Discount rate sponsor elections		
• Segment rates or full yield curve	Segment	
• Look-back months	0	
	<u>STABILIZED¹</u>	<u>NON-STABILIZED</u>
• First 5 years	4.75%	0.88%
• Next 15 years	5.18%	2.61%
• Over 20 years	5.92%	3.27%
Mortality sponsor elections		
• Healthy participants	Section 430(h)(3) prescribed separate static annuitant and non-annuitant mortality tables. These tables are based on RP-2014 mortality tables projected with improvements beyond 2006 removed with static mortality improvement based on the IRS methodology and projection scale MP-2020.	
• Pre-1995 disabilities	None	
• Post-1994 disabilities	<u>Former Corporate Plan</u> Revenue Ruling 96-7 table for participants who became disabled after 1994 and are eligible for Social Security disability benefits.	<u>Former Hourly Plan</u> Same as healthy
417(e) lump sums		
	Liabilities are determined based on the underlying annuity used by the plan to determine the lump sum amount, rather than valuing the lump sum payment. This annuity is valued based on funding interest rates rather than 417(e) rates and unisex generational mortality.	
Other economic assumptions		
• Salary increases	Not applicable.	
• Flat-dollar benefit increases	Not applicable.	
• Social Security wage base	Not applicable.	
• Inflation	Not applicable.	
• Expected investment return	7.00% per year for 2020, 6.50% per year for 2021, 6.25% per year for 2022	
• Expenses	\$1,900,000 added to current year normal cost.	

¹ Rates based on the American Rescue Plan Act 2021

Schedule SB, Part V — Statement of Actuarial Assumptions/Methods**Rationale for Economic Assumptions**

- **Discount Rate** – These are the IRS prescribed rates. The plan sponsor elected this methodology from alternative IRS prescribed options.
- **Mortality sponsor elections** – These are the current IRS prescribed table and mortality improvement projection scale. The plan sponsor elected this methodology from alternative IRS prescribed options.
- **Expected investment return** – This is based on a 65% historical and 35% forward-looking blend of the capital market assumptions published in Mercer Investment Consulting's Capital Market Outlook dated October 2021 for the plan's target asset mix, net of an adjustment of 9 basis points for investment expenses assumed to be paid from plan assets, rounded to the nearest 25 basis points.
- **Expenses** – Expenses are based on year-by-year experience for actual administrative expenses paid from plan assets. Adjustments are made for any known significant changes.

Demographic assumptions

• Withdrawal	Former Corporate Plan	Former Hourly Plan
	See table of sample rates.	For employees with less than five years of service, 20% withdrawal rate is assumed for all ages. For employees with five to ten years of service, 10% withdrawal rate is assumed for all ages. For participants with more than ten years of service, see table of sample rates.
• Disability incidence	The assumed incidence of disability is based on rates from the 1985 Pension Disability Table, Class 1, for male and females. See table of sample rates.	The assumed incidence of disability is based on rates from the 1985 Pension Disability Table, Class 3, for male and females. See table of sample rates.
• Retirement age for Former Corporate Plan	ATTAINED AGE	PERCENTAGE
	Under 55	0%
	55	5%
	56	5%
	57	5%
	58	5%
	59	5%
	60	15%
	61	15%
	62	15%
	63	25%
	64	25%
	65	40%
	66	40%
	67 and above	100%

Schedule SB, Part V — Statement of Actuarial Assumptions/Methods

- Retirement age for Former Hourly Plan

<u>ALL EMPLOYEES (EXCEPT CLEVELAND PARTICIPANTS WITH 30+ YEARS OF CREDIT BENEFIT SERVICE)</u>		<u>CLEVELAND PARTICIPANTS WITH 30+ YEARS OF CREDITED BENEFIT SERVICE</u>	
<u>ATTAINED AGE</u>		<u>ATTAINED AGE</u>	
60	10.00%	55-59	15.00%
61	10.00%	60	15.00%
62	20.00%	61	15.00%
63	15.00%	62	40.00%
64	15.00%	63	40.00%
65	40.00%	64	40.00%
66	40.00%	65	100.00%
67	100.00%		

- Benefit commencement age for

- Future & Current vested deferred 63

<u>SPOUSE ASSUMPTIONS</u>	<u>MALE PARTICIPANTS</u>	<u>FEMALE PARTICIPANTS</u>
Percentage married for Former Corporate Plan	70%	50%
Percentage married for Former Hourly Plan	50%	50%
Spouse age difference	1 years younger	2 years older

LUMP SUM FORM OF PAYMENT 50% of eligible participants will elect a lump sum

<u>ANNUITY FORM OF PAYMENT FOR FORMER CORPORATE PLAN</u>	<u>LIFE ANNUITY WITH 10 YEARS CERTAIN</u>	<u>50% JOINT & SURVIVOR WITH 10 YEARS CERTAIN</u>
Active retirements	30%	70%
Future vested deferred	30%	70%
Future disabilities	30%	70%
Future deaths		
<ul style="list-style-type: none"> Male participants 	30%	70%
<ul style="list-style-type: none"> Female participants 	50%	50%
Current vested deferred	30%	70%

Schedule SB, Part V — Statement of Actuarial Assumptions/Methods

ANNUITY FORM OF PAYMENT FOR FORMER HOURLY PLAN	<u>SINGLE LIFE</u>	<u>100% J&S</u>	<u>50% J&S</u>
• Active retirements	60%	40%	0%
• Future vested deferred	60%	40%	0%
• Future disabilities	100%	0%	0%
• Future deaths	0%	0%	100%
• Current vested deferred	60%	40%	0%
100% of Cleveland participants are assumed to take a life annuity for active retirement and future vested deferred benefits.			
UNPREDICTABLE CONTINGENT EVENT ASSUMPTIONS	None.		
AT-RISK ASSUMPTIONS			
• Special retirement rates	Not applicable.		
• Most valuable form of payment	Not applicable.		

Schedule SB, Part V — Statement of Actuarial Assumptions/Methods**Table of Sample Rates for Former Corporate Plan**

Attained age	Withdrawal	Percentage	
		Disability incidence	
		Male	Female
20	24.00%	0.029%	0.030%
25	24.00	0.038	0.047
30	18.20	0.048	0.080
35	14.70	0.069	0.136
40	12.90	0.117	0.211
45	12.10	0.202	0.323
50	11.60	0.358	0.533
55	10.40	0.722	0.952
60	9.40	1.256	1.159
65	0.00	1.753	1.358

Table of Sample Rates for Former Hourly Plan

Attained age	Withdrawal (with more than 10 years of service)	Percentage	
		Disability incidence	
		Male	Female
20	12.30%	0.151%	0.089%
25	10.30	0.219	0.150
30	8.20	0.309	0.252
35	6.40	0.431	0.388
40	5.00	0.597	0.547
45	3.90	0.829	0.777
50	3.00	1.224	1.201
55	2.30	2.118	1.962
60	1.70	3.240	2.326
65	0.00	4.369	2.718

Schedule SB, Part V — Statement of Actuarial Assumptions/Methods**Rationale for Demographic Assumptions**

- **Retirement Age** – Retirement age assumption was updated based on the results of an experience study conducted during 2019 using data from the January 1, 2015 through January 1, 2019 valuations. The plan sponsor believes that this period will be representative of anticipated future experience.
- **Turnover Rates** – Turnover rates have been developed based on the historical experience of the plan. The turnover rates were reviewed based on an experience study conducted in 2019 using data from the January 1, 2015 through January 1, 2019 valuations. This assumption provided similar results to actual experience of the plan, thus no update was made. The plan sponsor believes that this period will be representative of anticipated future experience.
- **Retirement Rates** – Retirement rates have been developed based on the historical experience of the plan and the retirement subsidies the plan offers at various ages. The retirement rates were reviewed based on an experience study conducted in 2019 using data from the January 1, 2015 through January 1, 2019 valuations. This assumption provided similar results to actual experience of the plan, thus no update was made. The plan sponsor believes that this period will be representative of anticipated future experience.
- **Disability Rates** – Based on the 1985 Pension Disability Study rates, applicable to the populations of each former plan. Annual review of the experience has shown that these rates provide similar results to the actual rates of disability experienced under the plan.
- **Percent Married/Spouse Age Difference** – The assumptions regarding percent married/spouse age difference at benefit commencement were updated based on the results of an experience study conducted during 2019 using data from the January 1, 2015 through January 1, 2019 valuations. The plan sponsor believes that this period will be representative of anticipated future experience.
- **Form of Payment Election** – The assumptions regarding form of payment election at benefit commencement were updated based on the results of an experience study conducted during 2019 using data from the January 1, 2015 through January 1, 2019 valuations. The plan sponsor believes that this period will be representative of anticipated future experience.

ACTUARIAL METHODS FOR FUNDING**Asset Methods**

The asset valuation method is an average of the adjusted market value for each year during the last two years preceding the valuation date. The adjusted market value is the market value at each determination date adjusted to the valuation date based on actual cash flows and expected interest at the lesser of the expected rate of return and the third segment rate. This amount is adjusted to be no greater than 110 percent and no less than 90 percent of the fair market value, as defined in IRC Section 430.

A characteristic of this asset method is that, over time, it is slightly more likely to produce an actuarial value of assets that is less than the market value of assets than an actuarial value that is greater than the market value.

Participant Methods

Participants or former participants are included or excluded from the valuation as described below:

- **Participants included:** The plan sponsor provides us with data for only those employees who have completed the plan's eligibility requirements and are included in the valuation of liabilities.

Schedule SB, Part V — Statement of Actuarial Assumptions/Methods

- **Participants excluded:** No actuarial liability is included for nonvested participants who terminated prior to the valuation date. For this purpose, participants with a break in service on the valuation date are treated as terminated participants.
- **Insurance contracts:** Liabilities and assets from insurance contracts have been included in the valuation.

Minimum Funding Methods

The funding target for minimum funding calculations is computed using the traditional unit credit method of funding. The objective under this method is to fund each participant's benefits under the plan as they accrue. Thus, the total pension to which each participant is expected to become entitled at retirement is broken down into units, each associated with a year of past or future credited service.

A detailed description of the calculation follows:

- The plan's valuation date is the beginning of the plan year.
- An individual's **funding target** is the present value of future benefits based on credited service and average pay as of the beginning of the plan year, and an individual's **target normal cost** is the present value of the benefit expected to accrue in the plan year. If multiple decrements are used, the funding target and the target normal cost for an individual are the sum of the component funding targets and target normal costs associated with the various anticipated separation dates.
- This plan provides benefits that are not a function of a participant's accrued benefit or years of service. This benefit is allocated to funding target based on the ratio of the participant's service at the beginning of the plan year to their service at each decrement age and is allocated to target normal cost based on the proportionate benefit attributable to the increase in the participant's service and compensation during the plan year.
- This plan provides disability/death benefits that are only partially based on a participant's accrued benefit or years of service. This benefit is allocated to funding target based on the accrued benefit on the valuation date plus a portion of the excess of the benefit over the accrued benefit multiplied by the ratio of the participant's service at the beginning of the plan year to their service at each decrement age. This benefit is allocated to target normal cost based on the proportionate benefit attributable to the increase in the participant's service and compensation during the plan year.
- The plan's **target normal cost** is the sum of the individual target normal costs, and the plan's **funding target** is the sum of the individual funding targets for all participants under the plan.

Ferro Corporation Pension Plan for Legacy Employees
 EIN: 34-0217820 Plan Number: 007
 Schedule H, Line 4j – Schedule of Reportable Transactions
 Year Ended December 31, 2022

(a)	Identity of Party Involved	(b) Description of Asset	(c) Purchase Price	(d) Selling Price	(g) Cost of Asset	(h) Current Value on Transaction Date	(i) Net Gain/(Loss)
<u>Category (iii) - a series of transactions in same security in excess of 5%</u>							
*	SEI	SEI S&P 500 Index A					
		(309,432 shares purchased in 12 transactions)	\$ 5,719,796	-	5,719,796	5,719,796	-
		(320,702 shares sold in 36 transactions)	-	6,514,046	5,261,752	6,514,046	1,252,294

Note: "Reportable Transactions" as defined in Section 2520.103-6 of The Department of Labor Regulations.

There were no reportable category (i), (ii) or (iv) transactions for the year ended December 31, 2022.

Columns (e) and (f) were excluded as they were not applicable.

* A party in interest as defined by ERISA

**SCHEDULE SB
(Form 5500)**Department of the Treasury
Internal Revenue Service
Department of Labor
Employee Benefits Security Administration
Pension Benefit Guaranty Corporation**Single-Employer Defined Benefit Plan
Actuarial Information**

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500 or 5500-SF.**

OMB No. 1210-0110

2022**This Form is Open to Public
Inspection**For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022▶ **Round off amounts to nearest dollar.**▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

A Name of plan FERRO CORPORATION PENSION PLAN FOR LEGACY EMPLOYEES		B Three-digit plan number (PN) ▶ 007
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF FERRO CORPORATION		D Employer Identification Number (EIN) 34-0217820
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B ☐ F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500		

Part I Basic Information

1 Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2022</u>			
2 Assets:			
a Market value		2a	243,808,038
b Actuarial value		2b	230,330,199
3 Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a For retired participants and beneficiaries receiving payment	1,496	177,668,269	177,668,269
b For terminated vested participants	673	36,792,701	36,792,701
c For active participants	119	8,886,615	9,057,555
d Total	2,288	223,347,585	223,518,525
4 If the plan is in at-risk status, check the box and complete lines (a) and (b)..... ☐			
a Funding target disregarding prescribed at-risk assumptions		4a	
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor		4b	
5 Effective interest rate	5	5.32%	
6 Target normal cost			
a Present value of current plan year accruals	6a	1,795	
b Expected plan-related expenses	6b	1,900,000	
c Total (line 6a + line 6b)	6c	1,901,795	

Statement by Enrolled Actuary

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

**SIGN
HERE**

JFT

Signature of actuary

James Trotier

Type or print name of actuary

Mercer

Firm name

200 Public Square
Suite 3760
Cleveland OH 44114

Address of the firm

10/16/2023

Date

2308425

Most recent enrollment number

216-830-8027

Telephone number (including area code)

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions ☐

For Paperwork Reduction Act Notice, see the Instructions for Form 5500 or 5500-SF.

Schedule SB (Form 5500) 2022
v. 220413

Part II Beginning of Year Carryover and Prefunding Balances

		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	0	943,877
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	0
9	Amount remaining (line 7 minus line 8)	0	943,877
10	Interest on line 9 using prior year's actual return of <u>11.94</u> %	0	112,699
11	Prior year's excess contributions to be added to prefunding balance:		
	a Present value of excess contributions (line 38a from prior year)		2,421,584
	b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>5.49</u> %		132,945
	b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
	c Total available at beginning of current plan year to add to prefunding balance		2,554,529
	d Portion of (c) to be added to prefunding balance		2,554,529
12	Other reductions in balances due to elections or deemed elections	0	0
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	3,611,105

Part III Funding Percentages

14	Funding target attainment percentage.....	14	101.43 %
15	Adjusted funding target attainment percentage	15	103.04 %
16	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement.....	16	94.06 %
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage.....	17	%

Part IV | Contributions and Liquidity Shortfalls

18 Contributions made to the plan for the plan year by employer(s) and employees:

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
			Totals ►	18(b)	0 18(c)
					0

19 Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:

a Contributions allocated toward unpaid minimum required contributions from prior years.....	19a	0
b Contributions made to avoid restrictions adjusted to valuation date.....	19b	0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date.....	19c	0

20 Quarterly contributions and liquidity shortfalls:

a Did the plan have a "funding shortfall" for the prior year? ☒ Yes ☐ No

b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☒ Yes ☐ No

C If line 20a is "Yes," see instructions and complete the following table as applicable:

Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(3) 3rd	(4) 4th
0	0	0	0

Part V Assumptions Used to Determine Funding Target and Target Normal Cost

21 Discount rate:				
a Segment rates:	1st segment: 4.75 %	2nd segment: 5.18 %	3rd segment: 5.92 %	☐ N/A, full yield curve used
b Applicable month (enter code)	21b			0
22 Weighted average retirement age	22			63
23 Mortality table(s) (see instructions)	☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute			

Part VI Miscellaneous Items

24 Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment	☒ Yes ☐ No
25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment	☐ Yes ☒ No
26 Demographic and benefit information	
a Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment	☒ Yes ☐ No
b Is the plan required to provide a projection of expected benefit payments? If "Yes," see instructions regarding required attachment	☒ Yes ☐ No
27 If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment	27

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

28 Unpaid minimum required contributions for all prior years	28	0
29 Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a)	29	0
30 Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	30	0

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):			
a Target normal cost (line 6c)	31a	1,901,795	
b Excess assets, if applicable, but not greater than line 31a	31b	1,901,795	
32 Amortization installments:			
a Net shortfall amortization installment	Outstanding Balance	Installment	
b Waiver amortization installment	0	0	
33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	33		
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)....	34	0	
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	0	0
36 Additional cash requirement (line 34 minus line 35)	36	0	
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	0	
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)	38a	0	
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	0	
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	39	0	
40 Unpaid minimum required contributions for all years	40	0	

Part IX Pension Funding Relief Under the American Rescue Plan Act of 2021 (See Instructions)

41 If an election was made to use the extended amortization rule for a plan year beginning on or before December 31, 2021, check the box to indicate the first plan year for which the rule applies. ☒ 2019 ☐ 2020 ☐ 2021
--

Schedule SB, Line 22 — Description of Weighted Average Retirement Age

Each employee is assumed to retire in accordance with the table of retirement rates. The proportion of employees expected to retire at each potential retirement age is shown below. The average retirement age is 62.

Group A

Retirement Rate for Cleveland Participants with 30+ Years of Credited Vesting Service

(A) Retirement age	(B) Retirement Percent	(C) Lx	(D) Number of employees expected to retire (B) x (C)	(E) (A) x (D)
55	15%	10,000	15,000	825,000
56	15%	85,000	12,750	714,000
57	15%	72,250	10,838	617,738
58	15%	61,413	9,212	534,289
59	15%	52,201	7,830	461,976
60	15%	44,371	6,656	399,335
61	15%	37,715	5,657	345,092
62	40%	32,058	12,823	795,031
63	40%	19,235	7,694	484,713
64	40%	11,541	4,616	295,444
65	100%	6,924	6,924	450,090
Total			100,000	5,922,706
Average				59.23

Schedule SB, Line 22 — Description of Weighted Average Retirement Age**Group B**

Retirement Rate for Participants at all former Various Plan Locations except Cleveland Participants with 30+ Years of Credited Vesting Service.

(A) Retirement age	(B) Retirement Percent	(C) Lx	(D) Number of employees expected to retire (B) x (C)	(E) (A) x (D)
55	0%	100,000	0	0
56	0%	100,000	0	0
57	0%	100,000	0	0
58	0%	100,000	0	0
59	0%	100,000	0	0
60	10%	100,000	10,000	600,000
61	10%	90,000	9,000	549,000
62	20%	81,000	16,200	1,004,400
63	15%	64,800	9,720	612,360
64	15%	55,080	8,262	528,768
65	40%	46,818	18,727	1,217,268
66	40%	28,091	11,236	741,597
67	100%	16,854	16,854	1,129,250
Total			100,000	6,382,643
Average				63.83

Schedule SB, Line 22 — Description of Weighted Average Retirement Age**Group C**

Retirement Rate for Participants of former Corporate Plan

(A) Retirement age	(B) Retirement Percent	(C) Lx	(D) Number of employees expected to retire (B) x (C)	(E) (A) x (D)
55	5%	100,000	5,000	275,000
56	5%	95,000	4,750	266,000
57	5%	90,250	4,513	257,213
58	5%	85,738	4,287	248,639
59	5%	81,451	4,073	240,279
60	15%	77,378	11,607	696,403
61	15%	65,771	9,866	601,808
62	15%	55,906	8,386	519,923
63	25%	47,520	11,880	748,437
64	25%	35,640	8,910	570,238
65	40%	26,730	10,692	694,977
66	40%	16,038	6,415	423,402
67	100%	9,623	9,623	644,725
Total			100,000	6,187,044
Average				61.87

Schedule SB, Line 22 — Description of Weighted Average Retirement Age

Development of average retirement rate

	(1) Number of Active Participants	(2) Weighted Average Retirement Age	(3) (1) x (2)
Group A	4	59.23	236.92
Group B	48	63.83	3,063.84
Group C	67	61.87	4,145.29
Total	119		7,446.05

Item 22: Weighted Average Retirement Age = 62.57
Total (3)/Total (1)

Schedule SB, Part V — Statement of Actuarial Assumptions/Methods**Actuarial Assumptions for January 1, 2022 Funding Valuation**

Discount rate sponsor elections		
• Segment rates or full yield curve	Segment	
• Look-back months	0	
	<u>STABILIZED¹</u>	<u>NON-STABILIZED</u>
• First 5 years	4.75%	0.88%
• Next 15 years	5.18%	2.61%
• Over 20 years	5.92%	3.27%
Mortality sponsor elections		
• Healthy participants	Section 430(h)(3) prescribed separate static annuitant and non-annuitant mortality tables. These tables are based on RP-2014 mortality tables projected with improvements beyond 2006 removed with static mortality improvement based on the IRS methodology and projection scale MP-2020.	
• Pre-1995 disabilities	None	
• Post-1994 disabilities	<u>Former Corporate Plan</u> Revenue Ruling 96-7 table for participants who became disabled after 1994 and are eligible for Social Security disability benefits.	<u>Former Hourly Plan</u> Same as healthy
417(e) lump sums		
	Liabilities are determined based on the underlying annuity used by the plan to determine the lump sum amount, rather than valuing the lump sum payment. This annuity is valued based on funding interest rates rather than 417(e) rates and unisex generational mortality.	
Other economic assumptions		
• Salary increases	Not applicable.	
• Flat-dollar benefit increases	Not applicable.	
• Social Security wage base	Not applicable.	
• Inflation	Not applicable.	
• Expected investment return	7.00% per year for 2020, 6.50% per year for 2021, 6.25% per year for 2022	
• Expenses	\$1,900,000 added to current year normal cost.	

¹ Rates based on the American Rescue Plan Act 2021

Schedule SB, Part V — Statement of Actuarial Assumptions/Methods**Rationale for Economic Assumptions**

- **Discount Rate** – These are the IRS prescribed rates. The plan sponsor elected this methodology from alternative IRS prescribed options.
- **Mortality sponsor elections** – These are the current IRS prescribed table and mortality improvement projection scale. The plan sponsor elected this methodology from alternative IRS prescribed options.
- **Expected investment return** – This is based on a 65% historical and 35% forward-looking blend of the capital market assumptions published in Mercer Investment Consulting's Capital Market Outlook dated October 2021 for the plan's target asset mix, net of an adjustment of 9 basis points for investment expenses assumed to be paid from plan assets, rounded to the nearest 25 basis points.
- **Expenses** – Expenses are based on year-by-year experience for actual administrative expenses paid from plan assets. Adjustments are made for any known significant changes.

Demographic assumptions

• Withdrawal	Former Corporate Plan	Former Hourly Plan
	See table of sample rates.	For employees with less than five years of service, 20% withdrawal rate is assumed for all ages. For employees with five to ten years of service, 10% withdrawal rate is assumed for all ages. For participants with more than ten years of service, see table of sample rates.
• Disability incidence	The assumed incidence of disability is based on rates from the 1985 Pension Disability Table, Class 1, for male and females. See table of sample rates.	The assumed incidence of disability is based on rates from the 1985 Pension Disability Table, Class 3, for male and females. See table of sample rates.
• Retirement age for Former Corporate Plan	ATTAINED AGE	PERCENTAGE
	Under 55	0%
	55	5%
	56	5%
	57	5%
	58	5%
	59	5%
	60	15%
	61	15%
	62	15%
	63	25%
	64	25%
	65	40%
	66	40%
	67 and above	100%

Schedule SB, Part V — Statement of Actuarial Assumptions/Methods

- Retirement age for Former Hourly Plan

<u>ALL EMPLOYEES (EXCEPT CLEVELAND PARTICIPANTS WITH 30+ YEARS OF CREDIT BENEFIT SERVICE)</u>		<u>CLEVELAND PARTICIPANTS WITH 30+ YEARS OF CREDITED BENEFIT SERVICE</u>	
<u>ATTAINED AGE</u>		<u>ATTAINED AGE</u>	
60	10.00%	55-59	15.00%
61	10.00%	60	15.00%
62	20.00%	61	15.00%
63	15.00%	62	40.00%
64	15.00%	63	40.00%
65	40.00%	64	40.00%
66	40.00%	65	100.00%
67	100.00%		

- Benefit commencement age for

- Future & Current vested deferred 63

<u>SPOUSE ASSUMPTIONS</u>	<u>MALE PARTICIPANTS</u>	<u>FEMALE PARTICIPANTS</u>
Percentage married for Former Corporate Plan	70%	50%
Percentage married for Former Hourly Plan	50%	50%
Spouse age difference	1 years younger	2 years older

LUMP SUM FORM OF PAYMENT 50% of eligible participants will elect a lump sum

<u>ANNUITY FORM OF PAYMENT FOR FORMER CORPORATE PLAN</u>	<u>LIFE ANNUITY WITH 10 YEARS CERTAIN</u>	<u>50% JOINT & SURVIVOR WITH 10 YEARS CERTAIN</u>
Active retirements	30%	70%
Future vested deferred	30%	70%
Future disabilities	30%	70%
Future deaths		
<ul style="list-style-type: none"> Male participants 	30%	70%
<ul style="list-style-type: none"> Female participants 	50%	50%
Current vested deferred	30%	70%

Schedule SB, Part V — Statement of Actuarial Assumptions/Methods

ANNUITY FORM OF PAYMENT FOR FORMER HOURLY PLAN	<u>SINGLE LIFE</u>	<u>100% J&S</u>	<u>50% J&S</u>
• Active retirements	60%	40%	0%
• Future vested deferred	60%	40%	0%
• Future disabilities	100%	0%	0%
• Future deaths	0%	0%	100%
• Current vested deferred	60%	40%	0%
100% of Cleveland participants are assumed to take a life annuity for active retirement and future vested deferred benefits.			
UNPREDICTABLE CONTINGENT EVENT ASSUMPTIONS	None.		
AT-RISK ASSUMPTIONS			
• Special retirement rates	Not applicable.		
• Most valuable form of payment	Not applicable.		

Schedule SB, Part V — Statement of Actuarial Assumptions/Methods**Table of Sample Rates for Former Corporate Plan**

Attained age	Withdrawal	Percentage	
		Disability incidence	
		Male	Female
20	24.00%	0.029%	0.030%
25	24.00	0.038	0.047
30	18.20	0.048	0.080
35	14.70	0.069	0.136
40	12.90	0.117	0.211
45	12.10	0.202	0.323
50	11.60	0.358	0.533
55	10.40	0.722	0.952
60	9.40	1.256	1.159
65	0.00	1.753	1.358

Table of Sample Rates for Former Hourly Plan

Attained age	Withdrawal (with more than 10 years of service)	Percentage	
		Disability incidence	
		Male	Female
20	12.30%	0.151%	0.089%
25	10.30	0.219	0.150
30	8.20	0.309	0.252
35	6.40	0.431	0.388
40	5.00	0.597	0.547
45	3.90	0.829	0.777
50	3.00	1.224	1.201
55	2.30	2.118	1.962
60	1.70	3.240	2.326
65	0.00	4.369	2.718

Schedule SB, Part V — Statement of Actuarial Assumptions/Methods**Rationale for Demographic Assumptions**

- **Retirement Age** – Retirement age assumption was updated based on the results of an experience study conducted during 2019 using data from the January 1, 2015 through January 1, 2019 valuations. The plan sponsor believes that this period will be representative of anticipated future experience.
- **Turnover Rates** – Turnover rates have been developed based on the historical experience of the plan. The turnover rates were reviewed based on an experience study conducted in 2019 using data from the January 1, 2015 through January 1, 2019 valuations. This assumption provided similar results to actual experience of the plan, thus no update was made. The plan sponsor believes that this period will be representative of anticipated future experience.
- **Retirement Rates** – Retirement rates have been developed based on the historical experience of the plan and the retirement subsidies the plan offers at various ages. The retirement rates were reviewed based on an experience study conducted in 2019 using data from the January 1, 2015 through January 1, 2019 valuations. This assumption provided similar results to actual experience of the plan, thus no update was made. The plan sponsor believes that this period will be representative of anticipated future experience.
- **Disability Rates** – Based on the 1985 Pension Disability Study rates, applicable to the populations of each former plan. Annual review of the experience has shown that these rates provide similar results to the actual rates of disability experienced under the plan.
- **Percent Married/Spouse Age Difference** – The assumptions regarding percent married/spouse age difference at benefit commencement were updated based on the results of an experience study conducted during 2019 using data from the January 1, 2015 through January 1, 2019 valuations. The plan sponsor believes that this period will be representative of anticipated future experience.
- **Form of Payment Election** – The assumptions regarding form of payment election at benefit commencement were updated based on the results of an experience study conducted during 2019 using data from the January 1, 2015 through January 1, 2019 valuations. The plan sponsor believes that this period will be representative of anticipated future experience.

ACTUARIAL METHODS FOR FUNDING**Asset Methods**

The asset valuation method is an average of the adjusted market value for each year during the last two years preceding the valuation date. The adjusted market value is the market value at each determination date adjusted to the valuation date based on actual cash flows and expected interest at the lesser of the expected rate of return and the third segment rate. This amount is adjusted to be no greater than 110 percent and no less than 90 percent of the fair market value, as defined in IRC Section 430.

A characteristic of this asset method is that, over time, it is slightly more likely to produce an actuarial value of assets that is less than the market value of assets than an actuarial value that is greater than the market value.

Participant Methods

Participants or former participants are included or excluded from the valuation as described below:

- **Participants included:** The plan sponsor provides us with data for only those employees who have completed the plan's eligibility requirements and are included in the valuation of liabilities.

Schedule SB, Part V — Statement of Actuarial Assumptions/Methods

- **Participants excluded:** No actuarial liability is included for nonvested participants who terminated prior to the valuation date. For this purpose, participants with a break in service on the valuation date are treated as terminated participants.
- **Insurance contracts:** Liabilities and assets from insurance contracts have been included in the valuation.

Minimum Funding Methods

The funding target for minimum funding calculations is computed using the traditional unit credit method of funding. The objective under this method is to fund each participant's benefits under the plan as they accrue. Thus, the total pension to which each participant is expected to become entitled at retirement is broken down into units, each associated with a year of past or future credited service.

A detailed description of the calculation follows:

- The plan's valuation date is the beginning of the plan year.
- An individual's **funding target** is the present value of future benefits based on credited service and average pay as of the beginning of the plan year, and an individual's **target normal cost** is the present value of the benefit expected to accrue in the plan year. If multiple decrements are used, the funding target and the target normal cost for an individual are the sum of the component funding targets and target normal costs associated with the various anticipated separation dates.
- This plan provides benefits that are not a function of a participant's accrued benefit or years of service. This benefit is allocated to funding target based on the ratio of the participant's service at the beginning of the plan year to their service at each decrement age and is allocated to target normal cost based on the proportionate benefit attributable to the increase in the participant's service and compensation during the plan year.
- This plan provides disability/death benefits that are only partially based on a participant's accrued benefit or years of service. This benefit is allocated to funding target based on the accrued benefit on the valuation date plus a portion of the excess of the benefit over the accrued benefit multiplied by the ratio of the participant's service at the beginning of the plan year to their service at each decrement age. This benefit is allocated to target normal cost based on the proportionate benefit attributable to the increase in the participant's service and compensation during the plan year.
- The plan's **target normal cost** is the sum of the individual target normal costs, and the plan's **funding target** is the sum of the individual funding targets for all participants under the plan.

Schedule SB, Part V — Summary of Plan Provisions**Summary of Major Plan Provisions**

Effective date and plan year	<u>Former Corporate Plan</u>	<u>Former Hourly Plan</u>
	Original plan: December 31, 1976	Original plan: January 1, 1981
	Restated plan: December 31, 1997	Restated plan: January 1, 1997
	Plan year: the twelve-month period commencing each January 1 and terminating each subsequent December 31	Plan year: the twelve-month period commencing each January 1 and terminating each subsequent December 31
	The plan, Ferro Corporation Pension Plan for Legacy Employees, was spun-off from the Ferro Corporation Pension Plan effective October 31, 2017. The name of the plan was updated to Vibrantz Corporation Pension Plan for Legacy Employees effective January 1, 2023.	
Status of the plan	The plan is frozen to all new participants and benefit accruals are frozen for all locations.	
Significant events that occurred during the year	None	

Schedule SB, Part V — Summary of Plan Provisions

Definitions

• Covered employees

All hourly employees of the Toccoa, Orrville, Edison (PDI), Shreve (Diamonite), Evansville, Stryker, Baton Rouge, Penn Yan, Wayside, Walton Hills, Buffalo, and Crooksville plants of Vibrantz Technologies (other than leased workers and independent contractors).

All bargaining unit employees of the Cleveland, East 56th Plant of Vibrantz Technologies, who have completed one year of credited vesting service.

Any salaried covered employee, plus members of certain groups of hourly paid employees hired before July 1, 2003.

Locations closed to new participants:

Location Name	Closed to new participants after:
Baton Rouge	December 31, 2007
Buffalo	October 30, 1992
Cleveland (E. 56th St.)	October 12, 1998
Crooksville	June 29, 2003
East Liverpool	October 31, 2002
Edison	December 31, 2007
Evansville	December 31, 2007
Niagara Falls	August 26, 2001
Orrville	December 31, 2010
Penn Yan	December 31, 2007
Stryker	April 26, 1999
Toccoa	January 23, 2001
Wayside	June 30, 2004
Walton Hills	September 10, 2005

All locations are closed as of December 31, 2010.

• Employee contributions

Baton Rouge Participants:

Effective September 1, 1990, employee contributions shall no longer be permitted.

Niagara Falls Participants:

For periods on and after November 1, 2001, each active participant employed at the employer's Niagara Falls, New York plant shall contribute toward the cost of his benefits \$28.00 for each of the first 180 months of his participation in the plan.

All other locations:

Participants shall make no contributions under the plan.

Schedule SB, Part V — Summary of Plan Provisions

- Service considered

For the Crooksville location:

All service measured in full and fractional years from the employee's last hiring date.

For Service prior to June 1, 1976, a full year was earned for each year with at least 1,600 hours. A fractional year was earned if hours worked were between 400 and 1,600. No service was credited for less than 400 hours.

For Service after June 1, 1976, a full year is earned for each year with at least 1,000 hours. A fractional year is earned if hours worked are between 250 and 1,000. No service is credited for less than 250 hours.

For past service before June 1, 1969, Service is limited to 25 years.

Benefit accruals were frozen on June 29, 2003 for Crooksville, and October 31, 2002 for East Liverpool.

For all other locations:

All service measured in full and fractional years from the employee's last hiring date.

All benefit accruals are frozen as of December 31, 2010.

- Pensionable earnings

Former Corporate Plan

Includes regular salary or wages and overtime, but excludes bonuses, commissions, and incentive pay.

Former Hourly Plan

Earnings are defined as all wages including incentive compensation and reduced for certain reimbursements and fringe benefits. Earnings are limited in accordance with Internal Revenue Code Section 401(a)(17).

- Final average earnings

Former Corporate Plan

Highest average monthly basic compensation over any 5 consecutive calendar years of employment. If compensation in the year of termination or retirement is used, the final rate of pay is projected to the end of the year.

Former Hourly Plan

Highest 60 consecutive calendar months of Earnings, divided by 60.

Schedule SB, Part V — Summary of Plan Provisions

<ul style="list-style-type: none"> Accrued benefit for Former Corporate Plan 	<p>The product of (i) and (ii):</p> <ul style="list-style-type: none"> (i) the greater of 60% of Credited Basic Compensation minus 50% of the Primary Social Security Benefit, and \$750; and (ii) The fraction whose numerator is Credited Benefit Service at the determination date (not greater than 30), and whose denominator is 30. <p>Benefit accruals are frozen as of March 31, 2006. Former TAM Plan participants: benefits previously earned under the TAM Plan based on credited service accrued under that plan, plus benefits earned under the Retirement Plan based on credited service accrued after December 31, 1999.</p> <p>Former DMC2 Plan participants: benefits previously earned under the DMC2 Plan based on credited service accrued under that plan, plus benefits earned under the Retirement Plan based on credited service accrued after September 7, 2001.</p>
<ul style="list-style-type: none"> Accrued benefit for Former Hourly Plan 	<p><u>For the Penn Yan plant:</u></p> <p>Greater of \$36.00 or 1.1% of average monthly earnings, multiplied by Credited Benefit Service at any date of determination. Average monthly earnings are computed by dividing total earnings for the 60 full consecutive calendar months prior to termination by 60. Special rules apply if the participant has worked fewer than 60 months, or if breaks in service have occurred.</p> <p><u>For the Cleveland location:</u></p> <p>Average monthly earnings times 33% plus 1.2% for each year of service in excess of 30 if 30 or more years of service, or 1.1% for each year of service if less than 30. This amount determined above is then increased by 15% effective October 12, 1993. Average monthly earnings times present benefit level based on years of service.</p> <p><u>Minimum pension for Cleveland location equal to:</u></p> <p>\$17.50 for each of the 1st 15 years of service plus \$19.00 for each of the next 15 years plus \$20.50 for each additional year.</p>

Schedule SB, Part V — Summary of Plan Provisions

- Accrued benefit for Former Hourly Plan (continued)

For all other locations:

The accrued benefit is service multiplied by the appropriate benefit level outlined below:

Plant	Level	Effective
Baton Rouge:	\$21.50	July 4, 1999
	\$23.50	July 2, 2000
Buffalo: (sold location)	\$25.00	August 28, 1992
Crooksville:	\$32.50	December 1, 1999
(sold location)	\$34.00	December 1, 2000
	\$36.00	December 1, 2001
	\$36.50	December 1, 2002
	\$37.00	December 1, 2003
East Liverpool: (sold location)	\$27.50	June 24, 2000
	\$29.50	June 24, 2001
	\$30.50	June 24, 2002
Edison (PDI): Stryker:	\$27.50	June 1, 1998
	\$22.50	April 19, 2001
	\$23.50	April 19, 2002
	\$24.50	April 19, 2003
	\$25.50	April 19, 2004
Evansville:	\$15.50	January 1, 1995
	\$18.00	January 1, 2001
Niagara Falls: (sold location)	\$36.00	November 1, 2000
	\$37.00	November 1, 2002
	\$38.00	November 1, 2003
	\$39.00	November 1, 2004
	\$40.00	November 1, 2005
Orrville:	\$21.00	December 10, 2000
	\$23.00	December 10, 2001
	\$24.00	December 10, 2002
	\$25.00	December 10, 2003
	\$27.00	December 10, 2004
Toccoa:	\$14.50	January 1, 1998
Wayside: (sold location)	\$25.00	July 1, 2003
Walton Hills: (sold location)	\$35.00	September 10, 1999
	\$38.00	September 10, 2000
	\$41.00	September 10, 2001
	\$45.00	September 10, 2002
	\$50.00	September 10, 2003

Schedule SB, Part V — Summary of Plan Provisions

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- **Accrued benefit for Former Hourly Plan (continued)** Locations where benefit accruals were frozen and the effective date of the freeze are summarized as follows:

<u>Location Name</u>	<u>Effective Date:</u>
Buffalo	October 30, 1992
Toccoa	February 10, 2001
Cleveland (E. 56th St.)	August 31, 2007
Penn Yan	December 31, 2007
Edison	December 31, 2007
Baton Rouge	December 31, 2007
Evansville	December 31, 2007
Wayside	December 31, 2007
Stryker	December 31, 2008
Walton Hills	December 31, 2008
Orrville	December 31, 2010

Normal retirement

-
- **Eligibility** First of the month coinciding with or next following 65th birthday.
(For Cleveland, 30 years of service regardless of age)
-
- **Benefit** Accrued benefit, payable on the normal retirement date
-

Early retirement

-
- **Eligibility**

<u>Former Corporate Plan</u> Age 55 with 10 years of vesting service	<u>Former Hourly Plan</u> Age 55 with 10 years of vesting service, except as noted below: <u>For the Buffalo, Cleveland, and Niagara Falls plants:</u> Age 60 with 15 years of Credited Vesting Service <u>For the Baton Rouge plant:</u> Age 60 with 10 years of Credited Vesting Service <u>For the Walton Hills plant:</u> Age 60 with 5 years of Credited Vesting Service
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Schedule SB, Part V — Summary of Plan Provisions

<ul style="list-style-type: none">Benefit	<p><u>Former Corporate Plan</u></p> <p><u>Non-DMC2 participants:</u></p> <p>The Accrued Benefit, fractionally reduced by 1/2% per month for each month prior to age 65 to a maximum of 30%, plus 1/3% per month for each month prior to age 60.</p> <p><u>DMC2 participants:</u></p> <p>The Accrued Benefit, fractionally reduced by 1/4% per month for each month prior to age 65.</p>	<p><u>Former Hourly Plan</u></p> <p><u>For the Baton Rouge and Crooksville plants Retirements:</u></p> <p>Accrued benefit, deferred to age 65 or reduced amount (by 5/9 of 1% for each month early) starting immediately.</p> <p><u>For the Cleveland plant Retirements:</u></p> <p>Accrued benefit, deferred to age sixty-five or actuarially reduced amount starting immediately.</p> <p><u>For the Wayside plant Retirements:</u></p> <p>Accrued benefit, deferred to age sixty-five or reduced amount (by 5/9ths of 1% for each month early up to 60 and by 5/18ths of 1% for each month early in excess of 60).</p> <p><u>For Walton Hills plant Retirements:</u></p> <p>Accrued benefit, deferred to age sixty-five or starting immediately, reduced by 1/4 of a percent for each month benefits start before age sixty five.</p> <p><u>For all other plants Retirements:</u></p> <p>Accrued benefit, deferred to age 65 or reduced amount (by .5% for each month early) starting immediately.</p>
Age 62 in-service distribution		
<ul style="list-style-type: none">Eligibility	Currently an Employee, at least age 62 and would be eligible for Normal Retirement or Early Retirement if employment terminated	
<ul style="list-style-type: none">Benefit	Benefit payable under Normal Retirement or Early Retirement as defined above, depending on eligibility if employment terminated	
Deferred vested		
<ul style="list-style-type: none">Eligibility	Five years of vesting service.	
<ul style="list-style-type: none">Benefit	Accrued benefit at termination, payable at age 65.	

Schedule SB, Part V — Summary of Plan Provisions

Disability

• Eligibility

Former Corporate Plan

Ten years of vesting service.

Former Hourly PlanFor the Crooksville, Wayside, and Walton Hills plants:

Totally and permanently disabled with at least 5 years of Credited Vesting Service.

For the Cleveland plant:

Totally and permanently disabled with at least 15 years of Credited Vesting Service.

For all other plants:

Totally and permanently disabled with at least 10 years of Credited Vesting Service.

• Benefit

Former Corporate Plan

Accrued benefit as of the termination date.

Former Hourly PlanFor the Cleveland plant:

Accrued benefit as of date of disability increased by \$230/mo. until age 62 and unreduced for early commencement.

For all other plants:

Accrued benefit as of date of disability unreduced for early commencement.

Schedule SB, Part V — Summary of Plan Provisions

Pre-retirement death

- Eligibility Five years of vesting service.

- Primary death benefit

Former Corporate Plan

Ten years certain annuity, payable to the named beneficiary on the earliest date the participant would have been eligible to receive a benefit (or deferred to no later than the participant's Normal Retirement Date). In the event of the death of an active vested participant, the monthly payments will equal the amount the participant would have been eligible to receive on the Commencement Date had employment been terminated on the date of death. Otherwise, the benefit will equal the amount the participant would have been eligible to receive on the Commencement Date had the death not occurred.

Former Hourly Plan

The benefit is equal to one half of the benefit the employee could have received by electing early retirement payments under a 50% joint and survivor option commencing on the earliest retirement age. This benefit will commence following the month in which the earliest retirement age occurs and will continue until the death of the spouse.

- Supplemental spouse's benefit

Former Corporate Plan

Single life annuity payable to the Qualified Spouse, equal to one-half of the Primary Death Benefit amount, commencing with the month following the final payment of the Primary Death Benefit.

Former Hourly Plan**For the Cleveland Plant only:**

An employee with 15 years of service who is eligible to retire with an immediate benefit, or a participant who is receiving retirement benefits, who at the date of death has been married to his spouse continuously for one year will be entitled to a supplemental spouse's death benefit. The benefit will be equal to one-half of the accrued benefit as of the date of death. The benefit will commence following the month in which death occurs and will continue until the month in which the death of the spouse occurs.

Schedule SB, Part V — Summary of Plan Provisions

Form of benefits		
• Automatic form for unmarried participants	<u>Former Corporate Plan</u> Ten year certain and life.	<u>Former Hourly Plan</u> Single life annuity.
• Automatic form for married participants	Joint and 50% Survivor with ten years certain.	Joint and 50% survivor annuity.
• Optional forms	<u>Former Corporate Plan</u> <ul style="list-style-type: none"> Joint and 75% Survivor. No other optional forms are available, except as follows: TAM participants (only with respect to the TAM portion of the accrued benefit): Life annuity, 10 year certain and life annuity, life and 50% or 100% continued. DMC2 participants (only with respect to the DMC2 portion of the accrued benefit): <ul style="list-style-type: none"> Life annuity; Joint and 50% or 100% Survivor; 5, 10, or 15 years certain and life annuity; life with level income annuity. DMC2 participants who are former participants in the Degussa Corporation Retirement Plan have further options available.	<u>Former Hourly Plan</u> <p>Optional forms differ by location:</p> <ul style="list-style-type: none"> Joint and Survivor-Full, Two-thirds, or half. Niagara Falls participants also have the option of Joint and Survivor– specified percentage where the specified percentage is between 50% and 100%. Penn Yan participants also have the option of Ten or Five years certain.
• Lump sum benefit	Participants with lump sum values of \$100,000 or less are eligible to receive their pension benefit as a lump sum.	Participants with lump sum values of \$100,000 or less are eligible to receive their pension benefit as a lump sum.

Schedule SB, Part V — Summary of Plan Provisions

Optional form conversion factors	<u>Former Corporate Plan</u>	<u>Former Hourly Plan</u>
	<ul style="list-style-type: none"> Interest - "applicable interest rate" under code Section 417(e)(3)(C), which is the adjusted first, second, and third segment rates applied under rules similar to the rules of Code Section 430(h)(2)(C) for the second full calendar month immediately preceding the start of the calendar quarter in which the distribution is made. Mortality - the applicable mortality table published by the Internal Revenue Service under Code Section 417(e)(3). TAM participants use an interest rate of 7%. DMC2 participants use adjustment factors from the normal form of a life annuity. 	<p><u>For the Buffalo and Cleveland plants:</u></p> <p>Amount of an alternative form of benefit (other than a lump sum) which has a value equivalent to the benefit or benefits otherwise payable under the plan, computed on the basis of an 8% compound annual interest rate and the 1971 Group Annuity Mortality Table with a two-year set-back for males and an eight-year set-back for females.</p> <p><u>For the Crooksville plant:</u></p> <p>Amount of an alternative form of benefit (other than a lump sum) which has a value equivalent to the benefit or benefits otherwise payable under the plan, computed on the basis of a 2.5% compound annual interest rate and the 1951 Group Annuity Table with six-year set-back.</p> <p><u>All other members of the Former Hourly Plan:</u></p> <p>Amount of an alternative form of benefit (other than a lump sum) which has a value equivalent to the benefit or benefits otherwise payable under the plan, computed on the basis of a 7% compound annual interest rate and the Unisex Pension 1984 Mortality Table with no year set-back.</p>
Miscellaneous		
<ul style="list-style-type: none"> Maximum benefits 	<p>Annual benefits may not exceed the limits in IRC Section 415.</p> <p>This limit is indexed annually. For 2022, the limit is \$245,000.</p>	

Schedule SB, Part V — Summary of Plan Provisions**Benefits Included or Excluded**

Unless noted below, all benefits provided by the plan, as effective and amended through the Fourth Amendment, are included in this valuation.

- **Most recent plan amendments included:** The Fourth Amendment is included because it was adopted prior to the valuation date.
- **Plan amendments excluded:** None.
- **Late retirement increases:**
 - *Active participants:* The plan provides benefit suspension notices to participants who work beyond normal retirement; therefore, late retirement actuarial increases only apply to participants who defer retirement beyond age 70½. This valuation includes increases for current participants over age 70.
 - *Deferred vested participants:* Current deferred vested participants over normal retirement age are valued including the late retirement actuarial increase.
- **Internal Revenue Code limitations:** The limitations of Internal Revenue Code Sections 415(b) and 401(a)(17) have been incorporated into our calculations.
- **IRC Section 416 rules for top-heavy plans:** We did not test whether this plan is top-heavy (when the present value of benefits for key employees equals or exceeds 60 percent of the present value for all participants). However, we expect that the plan is not top-heavy due to the large number of rank-and-file participants; therefore, the funding target and target normal cost do not reflect any liability for top-heavy benefit accruals.
- **IRC Section 436 benefit restrictions:**
 - *Unpredictable contingent event benefits:* This valuation excludes restricted contingent event benefits that occurred before the valuation date but includes contingent event benefits which are expected to occur on or after the valuation date regardless of anticipated funding-based limitations.
 - *Plan amendments:* See above.
 - *Prohibited payments:* Limitations on prohibited benefits (if any) are reflected for annuity starting dates before the valuation date but are ignored for annuity starting dates on or after the valuation date.
 - *Benefit accruals:* The plan's funding target does not reflect any limitation on benefit accruals. The target normal cost does not reflect any limitation on benefit accruals.
- **Unpredictable contingent event benefits:** This valuation does not value the plan's unpredictable contingent event benefits because the likelihood of an event is de minimis.

Plan Provision Changes Since Prior Valuation

Maximum benefit amounts under IRS rules were updated from 2021 to 2022.

Schedule SB, Line 24 — Change in Actuarial Assumptions

Actuarial assumption changes since prior valuation

- Interest discounts and mortality rates were updated from 2021 to 2022 in accordance with PPA.
- The expected administrative expenses added to the normal cost increased from \$1,800,000 to \$1,900,000.
- The expected investment return was change from 6.50% to 6.25%.

Schedule SB, Line 26a — Schedule of Active Participant Data

Attained age	Years of credited service										
	Under 1	1–4	5–9	10–14	15–19	20–24	25–29	30–34	35–39	40 & up	Total
Under 25											
25–29											
30–34											
35–39											
40–44	1	2	4								7
45–49			6								6
50–54		3	11	10	5						29
55–59		2	4	9	11	13		1			40
60–64		2	11	7	3	9	2				34
65–69			2	1							3
70 & up											
Total	1	9	38	27	19	22	2	1			119

In each cell, the number is the count of active participants for each age/service combination.

Schedule SB, Line 26b — Schedule of Projection of Expected Benefit Payments

Plan Year	Active Participants	Terminated Vested Participants	Retired Participants and Beneficiaries Receiving Payments	Total
2022	74,471	1,017,205	18,072,446	19,164,122
2023	159,857	1,352,921	17,597,381	19,110,158
2024	229,035	1,592,055	17,135,766	18,956,855
2025	338,496	1,810,728	16,594,107	18,743,330
2026	424,464	2,106,760	16,018,047	18,549,271
2027	509,980	2,339,582	15,454,658	18,304,220
2028	586,546	2,530,885	14,836,938	17,954,369
2029	632,977	2,653,398	14,193,322	17,479,697
2030	684,586	2,780,242	13,489,127	16,953,955
2031	744,830	2,876,263	12,798,169	16,419,262
2032	791,699	2,858,404	12,106,481	15,756,585
2033	812,859	2,902,736	11,407,405	15,123,001
2034	828,678	2,950,854	10,695,983	14,475,515
2035	836,411	2,962,514	9,970,731	13,769,656
2036	842,663	2,983,088	9,250,973	13,076,723
2037	835,112	2,972,240	8,534,258	12,341,611
2038	826,611	2,938,855	7,825,772	11,591,238
2039	812,984	2,914,914	7,130,509	10,858,407
2040	797,902	2,858,266	6,454,041	10,110,208
2041	777,382	2,796,272	5,801,156	9,374,811
2042	758,879	2,719,064	5,176,542	8,654,485
2043	736,922	2,635,546	4,584,339	7,956,807
2044	711,043	2,533,303	4,028,007	7,272,353
2045	681,593	2,427,582	3,510,337	6,619,513
2046	649,624	2,310,001	3,033,371	5,992,997
2047	616,117	2,184,947	2,598,378	5,399,442
2048	580,782	2,055,248	2,205,887	4,841,918
2049	544,224	1,918,793	1,855,653	4,318,670
2050	505,869	1,780,139	1,546,677	3,832,685
2051	466,776	1,637,979	1,277,248	3,382,003
2052	427,020	1,496,194	1,045,032	2,968,246
2053	387,201	1,355,017	847,211	2,589,429
2054	347,722	1,217,571	680,658	2,245,951
2055	309,303	1,084,849	542,082	1,936,234
2056	272,369	955,051	428,156	1,655,577
2057	237,370	836,538	335,621	1,409,529
2058	204,685	726,554	261,362	1,192,601
2059	174,611	625,744	202,489	1,002,844

Schedule SB, Line 26b — Schedule of Projection of Expected Benefit Payments

2060	147,348	534,416	156,366	838,130
2061	122,994	452,586	120,637	696,217
2062	101,547	380,038	93,262	574,846
2063	82,921	316,376	72,497	471,794
2064	66,969	261,063	56,889	384,920
2065	53,494	213,468	45,238	312,201
2066	42,264	172,911	36,577	251,751
2067	33,021	138,683	30,132	201,836
2068	25,508	110,079	25,305	160,892
2069	19,475	86,427	21,631	127,533
2070	14,692	67,084	18,765	100,541
2071	10,947	51,452	16,453	78,852

Schedule SB, Line 22 — Description of Weighted Average Retirement Age

Each employee is assumed to retire in accordance with the table of retirement rates. The proportion of employees expected to retire at each potential retirement age is shown below. The average retirement age is 62.

Group A

Retirement Rate for Cleveland Participants with 30+ Years of Credited Vesting Service

(A) Retirement age	(B) Retirement Percent	(C) Lx	(D) Number of employees expected to retire (B) x (C)	(E) (A) x (D)
55	15%	10,000	15,000	825,000
56	15%	85,000	12,750	714,000
57	15%	72,250	10,838	617,738
58	15%	61,413	9,212	534,289
59	15%	52,201	7,830	461,976
60	15%	44,371	6,656	399,335
61	15%	37,715	5,657	345,092
62	40%	32,058	12,823	795,031
63	40%	19,235	7,694	484,713
64	40%	11,541	4,616	295,444
65	100%	6,924	6,924	450,090
Total			100,000	5,922,706
Average				59.23

Schedule SB, Line 22 — Description of Weighted Average Retirement Age**Group B**

Retirement Rate for Participants at all former Various Plan Locations except Cleveland Participants with 30+ Years of Credited Vesting Service.

(A) Retirement age	(B) Retirement Percent	(C) Lx	(D) Number of employees expected to retire (B) x (C)	(E) (A) x (D)
55	0%	100,000	0	0
56	0%	100,000	0	0
57	0%	100,000	0	0
58	0%	100,000	0	0
59	0%	100,000	0	0
60	10%	100,000	10,000	600,000
61	10%	90,000	9,000	549,000
62	20%	81,000	16,200	1,004,400
63	15%	64,800	9,720	612,360
64	15%	55,080	8,262	528,768
65	40%	46,818	18,727	1,217,268
66	40%	28,091	11,236	741,597
67	100%	16,854	16,854	1,129,250
Total			100,000	6,382,643
Average				63.83

Schedule SB, Line 22 — Description of Weighted Average Retirement Age**Group C**

Retirement Rate for Participants of former Corporate Plan

(A) Retirement age	(B) Retirement Percent	(C) Lx	(D) Number of employees expected to retire (B) x (C)	(E) (A) x (D)
55	5%	100,000	5,000	275,000
56	5%	95,000	4,750	266,000
57	5%	90,250	4,513	257,213
58	5%	85,738	4,287	248,639
59	5%	81,451	4,073	240,279
60	15%	77,378	11,607	696,403
61	15%	65,771	9,866	601,808
62	15%	55,906	8,386	519,923
63	25%	47,520	11,880	748,437
64	25%	35,640	8,910	570,238
65	40%	26,730	10,692	694,977
66	40%	16,038	6,415	423,402
67	100%	9,623	9,623	644,725
Total			100,000	6,187,044
Average				61.87

Schedule SB, Line 22 — Description of Weighted Average Retirement Age

Development of average retirement rate

	(1) Number of Active Participants	(2) Weighted Average Retirement Age	(3) (1) x (2)
Group A	4	59.23	236.92
Group B	48	63.83	3,063.84
Group C	67	61.87	4,145.29
Total	119		7,446.05

Item 22: Weighted Average Retirement Age = 62.57
Total (3)/Total (1)

Schedule SB, Line 26b — Schedule of Projection of Expected Benefit Payments

Plan Year	Active Participants	Terminated Vested Participants	Retired Participants and Beneficiaries Receiving Payments	Total
2022	74,471	1,017,205	18,072,446	19,164,122
2023	159,857	1,352,921	17,597,381	19,110,158
2024	229,035	1,592,055	17,135,766	18,956,855
2025	338,496	1,810,728	16,594,107	18,743,330
2026	424,464	2,106,760	16,018,047	18,549,271
2027	509,980	2,339,582	15,454,658	18,304,220
2028	586,546	2,530,885	14,836,938	17,954,369
2029	632,977	2,653,398	14,193,322	17,479,697
2030	684,586	2,780,242	13,489,127	16,953,955
2031	744,830	2,876,263	12,798,169	16,419,262
2032	791,699	2,858,404	12,106,481	15,756,585
2033	812,859	2,902,736	11,407,405	15,123,001
2034	828,678	2,950,854	10,695,983	14,475,515
2035	836,411	2,962,514	9,970,731	13,769,656
2036	842,663	2,983,088	9,250,973	13,076,723
2037	835,112	2,972,240	8,534,258	12,341,611
2038	826,611	2,938,855	7,825,772	11,591,238
2039	812,984	2,914,914	7,130,509	10,858,407
2040	797,902	2,858,266	6,454,041	10,110,208
2041	777,382	2,796,272	5,801,156	9,374,811
2042	758,879	2,719,064	5,176,542	8,654,485
2043	736,922	2,635,546	4,584,339	7,956,807
2044	711,043	2,533,303	4,028,007	7,272,353
2045	681,593	2,427,582	3,510,337	6,619,513
2046	649,624	2,310,001	3,033,371	5,992,997
2047	616,117	2,184,947	2,598,378	5,399,442
2048	580,782	2,055,248	2,205,887	4,841,918
2049	544,224	1,918,793	1,855,653	4,318,670
2050	505,869	1,780,139	1,546,677	3,832,685
2051	466,776	1,637,979	1,277,248	3,382,003
2052	427,020	1,496,194	1,045,032	2,968,246
2053	387,201	1,355,017	847,211	2,589,429
2054	347,722	1,217,571	680,658	2,245,951
2055	309,303	1,084,849	542,082	1,936,234
2056	272,369	955,051	428,156	1,655,577
2057	237,370	836,538	335,621	1,409,529
2058	204,685	726,554	261,362	1,192,601
2059	174,611	625,744	202,489	1,002,844

Schedule SB, Line 26b — Schedule of Projection of Expected Benefit Payments

2060	147,348	534,416	156,366	838,130
2061	122,994	452,586	120,637	696,217
2062	101,547	380,038	93,262	574,846
2063	82,921	316,376	72,497	471,794
2064	66,969	261,063	56,889	384,920
2065	53,494	213,468	45,238	312,201
2066	42,264	172,911	36,577	251,751
2067	33,021	138,683	30,132	201,836
2068	25,508	110,079	25,305	160,892
2069	19,475	86,427	21,631	127,533
2070	14,692	67,084	18,765	100,541
2071	10,947	51,452	16,453	78,852

Schedule SB, Part V — Summary of Plan Provisions**Summary of Major Plan Provisions**

Effective date and plan year	<u>Former Corporate Plan</u>	<u>Former Hourly Plan</u>
	Original plan: December 31, 1976	Original plan: January 1, 1981
	Restated plan: December 31, 1997	Restated plan: January 1, 1997
	Plan year: the twelve-month period commencing each January 1 and terminating each subsequent December 31	Plan year: the twelve-month period commencing each January 1 and terminating each subsequent December 31
	The plan, Ferro Corporation Pension Plan for Legacy Employees, was spun-off from the Ferro Corporation Pension Plan effective October 31, 2017. The name of the plan was updated to Vibrantz Corporation Pension Plan for Legacy Employees effective January 1, 2023.	
Status of the plan	The plan is frozen to all new participants and benefit accruals are frozen for all locations.	
Significant events that occurred during the year	None	

Schedule SB, Part V — Summary of Plan Provisions

Definitions

- **Covered employees** All hourly employees of the Toccoa, Orrville, Edison (PDI), Shreve (Diamonite), Evansville, Stryker, Baton Rouge, Penn Yan, Wayside, Walton Hills, Buffalo, and Crooksville plants of Vibrantz Technologies (other than leased workers and independent contractors).
All bargaining unit employees of the Cleveland, East 56th Plant of Vibrantz Technologies, who have completed one year of credited vesting service.
Any salaried covered employee, plus members of certain groups of hourly paid employees hired before July 1, 2003.

Locations closed to new participants:

Location Name	Closed to new participants after:
Baton Rouge	December 31, 2007
Buffalo	October 30, 1992
Cleveland (E. 56th St.)	October 12, 1998
Crooksville	June 29, 2003
East Liverpool	October 31, 2002
Edison	December 31, 2007
Evansville	December 31, 2007
Niagara Falls	August 26, 2001
Orrville	December 31, 2010
Penn Yan	December 31, 2007
Stryker	April 26, 1999
Toccoa	January 23, 2001
Wayside	June 30, 2004
Walton Hills	September 10, 2005

All locations are closed as of December 31, 2010.

- **Employee contributions** Baton Rouge Participants:
Effective September 1, 1990, employee contributions shall no longer be permitted.
Niagara Falls Participants:
For periods on and after November 1, 2001, each active participant employed at the employer's Niagara Falls, New York plant shall contribute toward the cost of his benefits \$28.00 for each of the first 180 months of his participation in the plan.
All other locations:
Participants shall make no contributions under the plan.
-

Schedule SB, Part V — Summary of Plan Provisions

• Service considered
For the Crooksville location:

All service measured in full and fractional years from the employee's last hiring date.

For Service prior to June 1, 1976, a full year was earned for each year with at least 1,600 hours. A fractional year was earned if hours worked were between 400 and 1,600. No service was credited for less than 400 hours.

For Service after June 1, 1976, a full year is earned for each year with at least 1,000 hours. A fractional year is earned if hours worked are between 250 and 1,000. No service is credited for less than 250 hours.

For past service before June 1, 1969, Service is limited to 25 years.

Benefit accruals were frozen on June 29, 2003 for Crooksville, and October 31, 2002 for East Liverpool.

For all other locations:

All service measured in full and fractional years from the employee's last hiring date.

All benefit accruals are frozen as of December 31, 2010.

• Pensionable earnings

Former Corporate Plan

Includes regular salary or wages and overtime, but excludes bonuses, commissions, and incentive pay.

Former Hourly Plan

Earnings are defined as all wages including incentive compensation and reduced for certain reimbursements and fringe benefits. Earnings are limited in accordance with Internal Revenue Code Section 401(a)(17).

• Final average earnings

Former Corporate Plan

Highest average monthly basic compensation over any 5 consecutive calendar years of employment. If compensation in the year of termination or retirement is used, the final rate of pay is projected to the end of the year.

Former Hourly Plan

Highest 60 consecutive calendar months of Earnings, divided by 60.

Schedule SB, Part V — Summary of Plan Provisions

<ul style="list-style-type: none"> Accrued benefit for Former Corporate Plan 	<p>The product of (i) and (ii):</p> <ul style="list-style-type: none"> (i) the greater of 60% of Credited Basic Compensation minus 50% of the Primary Social Security Benefit, and \$750; and (ii) The fraction whose numerator is Credited Benefit Service at the determination date (not greater than 30), and whose denominator is 30. <p>Benefit accruals are frozen as of March 31, 2006. Former TAM Plan participants: benefits previously earned under the TAM Plan based on credited service accrued under that plan, plus benefits earned under the Retirement Plan based on credited service accrued after December 31, 1999.</p> <p>Former DMC2 Plan participants: benefits previously earned under the DMC2 Plan based on credited service accrued under that plan, plus benefits earned under the Retirement Plan based on credited service accrued after September 7, 2001.</p>
<ul style="list-style-type: none"> Accrued benefit for Former Hourly Plan 	<p><u>For the Penn Yan plant:</u></p> <p>Greater of \$36.00 or 1.1% of average monthly earnings, multiplied by Credited Benefit Service at any date of determination. Average monthly earnings are computed by dividing total earnings for the 60 full consecutive calendar months prior to termination by 60. Special rules apply if the participant has worked fewer than 60 months, or if breaks in service have occurred.</p> <p><u>For the Cleveland location:</u></p> <p>Average monthly earnings times 33% plus 1.2% for each year of service in excess of 30 if 30 or more years of service, or 1.1% for each year of service if less than 30. This amount determined above is then increased by 15% effective October 12, 1993. Average monthly earnings times present benefit level based on years of service.</p> <p><u>Minimum pension for Cleveland location equal to:</u></p> <p>\$17.50 for each of the 1st 15 years of service plus \$19.00 for each of the next 15 years plus \$20.50 for each additional year.</p>

Schedule SB, Part V — Summary of Plan Provisions

- Accrued benefit for Former Hourly Plan (continued)

For all other locations:

The accrued benefit is service multiplied by the appropriate benefit level outlined below:

Plant	Level	Effective
Baton Rouge:	\$21.50	July 4, 1999
	\$23.50	July 2, 2000
Buffalo: (sold location)	\$25.00	August 28, 1992
Crooksville:	\$32.50	December 1, 1999
(sold location)	\$34.00	December 1, 2000
	\$36.00	December 1, 2001
	\$36.50	December 1, 2002
	\$37.00	December 1, 2003
East Liverpool:	\$27.50	June 24, 2000
	\$29.50	June 24, 2001
	\$30.50	June 24, 2002
Edison (PDI):	\$27.50	June 1, 1998
	Stryker:	April 19, 2001
		April 19, 2002
		April 19, 2003
		April 19, 2004
Evansville:	\$15.50	January 1, 1995
	\$18.00	January 1, 2001
Niagara Falls:	\$36.00	November 1, 2000
	(sold location)	November 1, 2002
		November 1, 2003
		November 1, 2004
		November 1, 2005
Orrville:	\$21.00	December 10, 2000
	\$23.00	December 10, 2001
	\$24.00	December 10, 2002
	\$25.00	December 10, 2003
	\$27.00	December 10, 2004
Toccoa:	\$14.50	January 1, 1998
Wayside: (sold location)	\$25.00	July 1, 2003
Walton Hills:	\$35.00	September 10, 1999
	(sold location)	September 10, 2000
		September 10, 2001
		September 10, 2002
		September 10, 2003

Schedule SB, Part V — Summary of Plan Provisions

-
- **Accrued benefit for Former Hourly Plan (continued)** Locations where benefit accruals were frozen and the effective date of the freeze are summarized as follows:

<u>Location Name</u>	<u>Effective Date:</u>
Buffalo	October 30, 1992
Toccoa	February 10, 2001
Cleveland (E. 56th St.)	August 31, 2007
Penn Yan	December 31, 2007
Edison	December 31, 2007
Baton Rouge	December 31, 2007
Evansville	December 31, 2007
Wayside	December 31, 2007
Stryker	December 31, 2008
Walton Hills	December 31, 2008
Orrville	December 31, 2010

Normal retirement

-
- **Eligibility** First of the month coinciding with or next following 65th birthday.
(For Cleveland, 30 years of service regardless of age)
-
- **Benefit** Accrued benefit, payable on the normal retirement date
-

Early retirement

-
- **Eligibility**

<u>Former Corporate Plan</u>	<u>Former Hourly Plan</u>
Age 55 with 10 years of vesting service	Age 55 with 10 years of vesting service, except as noted below: <u>For the Buffalo, Cleveland, and Niagara Falls plants:</u> Age 60 with 15 years of Credited Vesting Service <u>For the Baton Rouge plant:</u> Age 60 with 10 years of Credited Vesting Service <u>For the Walton Hills plant:</u> Age 60 with 5 years of Credited Vesting Service
-

Schedule SB, Part V — Summary of Plan Provisions

<ul style="list-style-type: none">Benefit	<p><u>Former Corporate Plan</u></p> <p><u>Non-DMC2 participants:</u></p> <p>The Accrued Benefit, fractionally reduced by 1/2% per month for each month prior to age 65 to a maximum of 30%, plus 1/3% per month for each month prior to age 60.</p> <p><u>DMC2 participants:</u></p> <p>The Accrued Benefit, fractionally reduced by 1/4% per month for each month prior to age 65.</p>	<p><u>Former Hourly Plan</u></p> <p><u>For the Baton Rouge and Crooksville plants Retirements:</u></p> <p>Accrued benefit, deferred to age 65 or reduced amount (by 5/9 of 1% for each month early) starting immediately.</p> <p><u>For the Cleveland plant Retirements:</u></p> <p>Accrued benefit, deferred to age sixty-five or actuarially reduced amount starting immediately.</p> <p><u>For the Wayside plant Retirements:</u></p> <p>Accrued benefit, deferred to age sixty-five or reduced amount (by 5/9ths of 1% for each month early up to 60 and by 5/18ths of 1% for each month early in excess of 60).</p> <p><u>For Walton Hills plant Retirements:</u></p> <p>Accrued benefit, deferred to age sixty-five or starting immediately, reduced by 1/4 of a percent for each month benefits start before age sixty five.</p> <p><u>For all other plants Retirements:</u></p> <p>Accrued benefit, deferred to age 65 or reduced amount (by .5% for each month early) starting immediately.</p>
Age 62 in-service distribution		
<ul style="list-style-type: none">Eligibility	Currently an Employee, at least age 62 and would be eligible for Normal Retirement or Early Retirement if employment terminated	
<ul style="list-style-type: none">Benefit	Benefit payable under Normal Retirement or Early Retirement as defined above, depending on eligibility if employment terminated	
Deferred vested		
<ul style="list-style-type: none">Eligibility	Five years of vesting service.	
<ul style="list-style-type: none">Benefit	Accrued benefit at termination, payable at age 65.	

Schedule SB, Part V — Summary of Plan Provisions

Disability

• Eligibility

Former Corporate Plan

Ten years of vesting service.

Former Hourly PlanFor the Crooksville, Wayside, and Walton Hills plants:

Totally and permanently disabled with at least 5 years of Credited Vesting Service.

For the Cleveland plant:

Totally and permanently disabled with at least 15 years of Credited Vesting Service.

For all other plants:

Totally and permanently disabled with at least 10 years of Credited Vesting Service.

• Benefit

Former Corporate Plan

Accrued benefit as of the termination date.

Former Hourly PlanFor the Cleveland plant:

Accrued benefit as of date of disability increased by \$230/mo. until age 62 and unreduced for early commencement.

For all other plants:

Accrued benefit as of date of disability unreduced for early commencement.

Schedule SB, Part V — Summary of Plan Provisions

Pre-retirement death

- Eligibility Five years of vesting service.

- Primary death benefit

Former Corporate Plan

Ten years certain annuity, payable to the named beneficiary on the earliest date the participant would have been eligible to receive a benefit (or deferred to no later than the participant's Normal Retirement Date). In the event of the death of an active vested participant, the monthly payments will equal the amount the participant would have been eligible to receive on the Commencement Date had employment been terminated on the date of death. Otherwise, the benefit will equal the amount the participant would have been eligible to receive on the Commencement Date had the death not occurred.

Former Hourly Plan

The benefit is equal to one half of the benefit the employee could have received by electing early retirement payments under a 50% joint and survivor option commencing on the earliest retirement age. This benefit will commence following the month in which the earliest retirement age occurs and will continue until the death of the spouse.

- Supplemental spouse's benefit

Former Corporate Plan

Single life annuity payable to the Qualified Spouse, equal to one-half of the Primary Death Benefit amount, commencing with the month following the final payment of the Primary Death Benefit.

Former Hourly Plan**For the Cleveland Plant only:**

An employee with 15 years of service who is eligible to retire with an immediate benefit, or a participant who is receiving retirement benefits, who at the date of death has been married to his spouse continuously for one year will be entitled to a supplemental spouse's death benefit. The benefit will be equal to one-half of the accrued benefit as of the date of death. The benefit will commence following the month in which death occurs and will continue until the month in which the death of the spouse occurs.

Schedule SB, Part V — Summary of Plan Provisions

Form of benefits		
• Automatic form for unmarried participants	<u>Former Corporate Plan</u> Ten year certain and life.	<u>Former Hourly Plan</u> Single life annuity.
• Automatic form for married participants	Joint and 50% Survivor with ten years certain.	Joint and 50% survivor annuity.
• Optional forms	<u>Former Corporate Plan</u> <ul style="list-style-type: none"> Joint and 75% Survivor. No other optional forms are available, except as follows: TAM participants (only with respect to the TAM portion of the accrued benefit): Life annuity, 10 year certain and life annuity, life and 50% or 100% continued. DMC2 participants (only with respect to the DMC2 portion of the accrued benefit): <ul style="list-style-type: none"> Life annuity; Joint and 50% or 100% Survivor; 5, 10, or 15 years certain and life annuity; life with level income annuity. DMC2 participants who are former participants in the Degussa Corporation Retirement Plan have further options available.	<u>Former Hourly Plan</u> <p>Optional forms differ by location:</p> <ul style="list-style-type: none"> Joint and Survivor-Full, Two-thirds, or half. Niagara Falls participants also have the option of Joint and Survivor– specified percentage where the specified percentage is between 50% and 100%. Penn Yan participants also have the option of Ten or Five years certain.
• Lump sum benefit	Participants with lump sum values of \$100,000 or less are eligible to receive their pension benefit as a lump sum.	Participants with lump sum values of \$100,000 or less are eligible to receive their pension benefit as a lump sum.

Schedule SB, Part V — Summary of Plan Provisions

• Optional form conversion factors	<u>Former Corporate Plan</u>	<u>Former Hourly Plan</u>
	<ul style="list-style-type: none"> Interest - "applicable interest rate" under code Section 417(e)(3)(C), which is the adjusted first, second, and third segment rates applied under rules similar to the rules of Code Section 430(h)(2)(C) for the second full calendar month immediately preceding the start of the calendar quarter in which the distribution is made. Mortality - the applicable mortality table published by the Internal Revenue Service under Code Section 417(e)(3). TAM participants use an interest rate of 7%. DMC2 participants use adjustment factors from the normal form of a life annuity. 	<p><u>For the Buffalo and Cleveland plants:</u></p> <p>Amount of an alternative form of benefit (other than a lump sum) which has a value equivalent to the benefit or benefits otherwise payable under the plan, computed on the basis of an 8% compound annual interest rate and the 1971 Group Annuity Mortality Table with a two-year set-back for males and an eight-year set-back for females.</p> <p><u>For the Crooksville plant:</u></p> <p>Amount of an alternative form of benefit (other than a lump sum) which has a value equivalent to the benefit or benefits otherwise payable under the plan, computed on the basis of a 2.5% compound annual interest rate and the 1951 Group Annuity Table with six-year set-back.</p> <p><u>All other members of the Former Hourly Plan:</u></p> <p>Amount of an alternative form of benefit (other than a lump sum) which has a value equivalent to the benefit or benefits otherwise payable under the plan, computed on the basis of a 7% compound annual interest rate and the Unisex Pension 1984 Mortality Table with no year set-back.</p>
Miscellaneous		
• Maximum benefits	<p>Annual benefits may not exceed the limits in IRC Section 415.</p> <p>This limit is indexed annually. For 2022, the limit is \$245,000.</p>	

Schedule SB, Part V — Summary of Plan Provisions**Benefits Included or Excluded**

Unless noted below, all benefits provided by the plan, as effective and amended through the Fourth Amendment, are included in this valuation.

- **Most recent plan amendments included:** The Fourth Amendment is included because it was adopted prior to the valuation date.
- **Plan amendments excluded:** None.
- **Late retirement increases:**
 - *Active participants:* The plan provides benefit suspension notices to participants who work beyond normal retirement; therefore, late retirement actuarial increases only apply to participants who defer retirement beyond age 70½. This valuation includes increases for current participants over age 70.
 - *Deferred vested participants:* Current deferred vested participants over normal retirement age are valued including the late retirement actuarial increase.
- **Internal Revenue Code limitations:** The limitations of Internal Revenue Code Sections 415(b) and 401(a)(17) have been incorporated into our calculations.
- **IRC Section 416 rules for top-heavy plans:** We did not test whether this plan is top-heavy (when the present value of benefits for key employees equals or exceeds 60 percent of the present value for all participants). However, we expect that the plan is not top-heavy due to the large number of rank-and-file participants; therefore, the funding target and target normal cost do not reflect any liability for top-heavy benefit accruals.
- **IRC Section 436 benefit restrictions:**
 - *Unpredictable contingent event benefits:* This valuation excludes restricted contingent event benefits that occurred before the valuation date but includes contingent event benefits which are expected to occur on or after the valuation date regardless of anticipated funding-based limitations.
 - *Plan amendments:* See above.
 - *Prohibited payments:* Limitations on prohibited benefits (if any) are reflected for annuity starting dates before the valuation date but are ignored for annuity starting dates on or after the valuation date.
 - *Benefit accruals:* The plan's funding target does not reflect any limitation on benefit accruals. The target normal cost does not reflect any limitation on benefit accruals.
- **Unpredictable contingent event benefits:** This valuation does not value the plan's unpredictable contingent event benefits because the likelihood of an event is de minimis.

Plan Provision Changes Since Prior Valuation

Maximum benefit amounts under IRS rules were updated from 2021 to 2022.

Ferro Corporation Pension Plan for Legacy Employees
 EIN: 34-0217820 Plan Number: 007
 Schedule H, Line 4i – Schedule of Assets (Held at End of Year)
 December 31, 2022

(b)	(c)	(d)	(e)
(a)	Description of investment including maturity date, rate of interest, collateral, par, or maturity value	Cost	Current Value
Identity of issue, borrower, lessor or similar party			
* SEI Extended Market Index A	Mutual fund	\$ 7,881,665	6,842,625
* SEI S&P 500 Index A	Mutual fund	47,683,936	50,463,423
* SEI Institutional Investments Trust World Equity Ex-US Fund	Mutual fund	54,617,691	48,428,906
* SEI Institutional Investments Trust Emerging Markets Debt Fund	Mutual fund	9,308,747	7,186,011
* SEI Institutional Investments Trust Core Fixed Income Fund	Mutual fund	51,121,856	43,525,065
* SEI Institutional Investments Trust High Yield Bond Fund	Mutual fund	13,248,826	10,399,681
* SEI Core Property Collective Investment Trust	Common collective trust	7,062,037	20,442,459
* Prudential Retirement Insurance and Annuity Company Dryden S&P 500 Index	Pooled separate account	98,926	282,304
* Prudential Retirement Insurance and Annuity Company International Blend/Wellington	Pooled separate account	37,787	47,108
* Prudential Retirement Insurance and Annuity Company Core Plus Bond / Reams Fund	Pooled separate account	118,476	136,803
* Prudential Retirement Insurance and Annuity Company Private Placement SA-30	Pooled separate account	88,522	99,731
* Aetna Life and Casualty Insurance Company Group Annuity GA-2951	Annuity contract	1,203,245	1,203,245
* Prudential Retirement Insurance and Annuity Company General Account	Annuity contract	352,800	352,800
		<u>\$ 192,824,514</u>	<u>189,410,161</u>

* A party in interest as defined by ERISA

Schedule SB, Line 24 — Change in Actuarial Assumptions

Actuarial assumption changes since prior valuation

- Interest discounts and mortality rates were updated from 2021 to 2022 in accordance with PPA.
- The expected administrative expenses added to the normal cost increased from \$1,800,000 to \$1,900,000.
- The expected investment return was change from 6.50% to 6.25%.