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).

▶ **Complete all entries in accordance with the instructions to the Form 5500.**

OMB Nos. 1210-0110
1210-0089

2023

This Form is Open to Public Inspection

Part I Annual Report Identification Information

For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023

A This return/report is for:
- [ ] a multiemployer plan
- [ ] a multiple-employer plan (Filers checking this box must provide participating employer information in accordance with the form instructions.)
- [X] 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:
- [X] 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
PARK OHIO INDUSTRIES AND SUBSIDIARIES PENSION PLAN

1b Three-digit plan number (PN) ▶ 002

1c Effective date of plan 12/01/1964

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)
PARK OHIO INDUSTRES INC

6065 PARKLAND BLVD
CLEVELAND, OH 44124

2b Employer Identification Number (EIN) 34-6520107

2c Plan Sponsor's telephone number 440-947-2000

2d Business code (see instructions) 339900

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.	10/15/2024	ELIZABETH BORIS
	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

3a Plan administrator's name and address [X] Same as Plan Sponsor

3b Administrator's EIN

3c Administrator's telephone number

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

4b EIN

c Plan Name

4d PN

5	Total number of participants at the beginning of the plan year	**5**	5266
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)**	2622
a(2)	Total number of active participants at the end of the plan year	**6a(2)**	2548
b	Retired or separated participants receiving benefits	**6b**	758
c	Other retired or separated participants entitled to future benefits	**6c**	1962
d	Subtotal. Add lines **6a(2)**, **6b**, and **6c**.	**6d**	5268
e	Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.	**6e**	182
f	Total. Add lines **6d** and **6e**.	**6f**	5450
g(1)	Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item)	**6g(1)**	
g(2)	Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	**6g(2)**	
h	Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	**6h**	205
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 1C 1E 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)** [X] Insurance
- **(2)** [ ] Code section 412(e)(3) insurance contracts
- **(3)** [X] Trust
- **(4)** [ ] General assets of the sponsor

9b Plan benefit arrangement (check all that apply)

- **(1)** [X] Insurance
- **(2)** [ ] Code section 412(e)(3) insurance contracts
- **(3)** [X] 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)** [X] **R** (Retirement Plan Information)
- **(2)** [ ] **MB** (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary
- **(3)** [X] **SB** (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary
- **(4)** [ ] **DCG** (Individual Plan Information) – Number Attached _____
- **(5)** [ ] **MEP** (Multiple-Employer Retirement Plan Information)

b General Schedules

- **(1)** [X] **H** (Financial Information)
- **(2)** [ ] **I** (Financial Information – Small Plan)
- **(3)** [X] **A** (Insurance Information) – Number Attached 1
- **(4)** [X] **C** (Service Provider Information)
- **(5)** [X] **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 2023 Form M-1 annual report. If the plan was not required to file the 2023 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_____

SCHEDULE A (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Insurance 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.**

▶ Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).

OMB No. 1210-0110

2023

This Form is Open to Public Inspection

For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023

A Name of plan
PARK OHIO INDUSTRIES AND SUBSIDIARIES PENSION PLAN

B Three-digit plan number (PN) ▶ 002

C Plan sponsor's name as shown on line 2a of Form 5500
PARK OHIO INDUSTRES INC

D Employer Identification Number (EIN)
34-6520107

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.

1 Coverage Information:

(a) Name of insurance carrier
PRUDENTIAL RETIREMENT INSURANCE AND ANNUITY 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
06-1050034	93629	M00540	126	01/01/2023	12/31/2023

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	
5	Current value of plan's interest under this contract in separate accounts at year end	5	5681

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	311170
c	Additions: (1) Contributions deposited during the year	7c(1)	414345		
	(2) Dividends and credits	7c(2)			
	(3) Interest credited during the year	7c(3)	1189		
	(4) Transferred from separate account	7c(4)			
	(5) Other (specify below) ▶	7c(5)			
	(6) Total additions			7c(6)	415534
d	Total of balance and additions (add lines **7b** and **7c(6)**)			7d	726704
e	Deductions:				
	(1) Disbursed from fund to pay benefits or purchase annuities during year	7e(1)	504611		
	(2) Administration charge made by carrier	7e(2)			
	(3) Transferred to separate account	7e(3)			
	(4) Other (specify below) ▶ ADMINISTRATIVE EXPENSE	7e(4)	35812		
	(5) Total deductions			7e(5)	540423
f	Balance at the end of the current year (subtract line **7e(5)** from line **7d**)			7f	186281

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.			**10b**	

Specify nature of costs.

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. ▶

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

2023

This Form is Open to Public Inspection

For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023

▶ **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
PARK OHIO INDUSTRIES AND SUBSIDIARIES PENSION PLAN

B Three-digit plan number (PN) ▶ 002

C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF
PARK OHIO INDUSTRES INC

D Employer Identification Number (EIN)
34-6520107

E Type of plan: [X] Single [ ] Multiple-A [ ] Multiple-B

F Prior year plan size: [ ] 100 or fewer [ ] 101-500 [X] More than 500

Part I Basic Information

1 Enter the valuation date: Month 01 Day 01 Year 2023

2 Assets:

a Market value	**2a**	132503017
b Actuarial value	**2b**	145753319

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	918	35839930	35839930
b For terminated vested participants	1876	10668326	10668326
c For active participants	2721	23610718	24552151
d Total	5515	70118974	71060407

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**	5.16 %
6 Target normal cost		
a Present value of current plan year accruals	**6a**	3976236
b Expected plan-related expenses	**6b**	739602
c Target normal cost	**6c**	4715838

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

Signature of actuary

10/14/2024
Date

PETER N. DORSEY
Type or print name of actuary

23-05713
Most recent enrollment number

WILLIS TOWERS WATSON US LLC
Firm name

216-937-4000
Telephone number (including area code)

1001 LAKESIDE AVENUE
SUITE 1500
CLEVELAND, OH 44114-1172
Address of the firm

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 [ ]

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)	38016764	129664
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)	38016764	129664
10	Interest on line 9 using prior year's actual return of -18.62 %	-7078721	-24143
11	Prior year's excess contributions to be added to prefunding balance:		
	a Present value of excess contributions (line 38a from prior year)		0
	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 5.33 %		0
	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		0
	d Portion of (c) to be added to prefunding balance		0
12	Other reductions in balances due to elections or deemed elections	2900000	0
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	28038043	105521

Part III Funding Percentages

14	Funding target attainment percentage	14	165.50 %
15	Adjusted funding target attainment percentage	15	205.11 %
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	234.96 %
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

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

21 Discount rate:

a Segment rates:

1st segment:	2nd segment:	3rd segment:	
4.75 %	5.00 %	5.74 %	☐ N/A, full yield curve used

b Applicable month (enter code)	**21b**	0
22 Weighted average retirement age	**22**	66

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**	4715838
b Excess assets, if applicable, but not greater than line 31a	**31b**	4715838

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	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 C (Form 5500)	Service Provider Information	OMB No. 1210-0110
Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	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.**	**2023** **This Form is Open to Public Inspection.**

For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023

A Name of plan
PARK OHIO INDUSTRIES AND SUBSIDIARIES PENSION PLAN

B Three-digit plan number (PN) ▶ 002

C Plan sponsor's name as shown on line 2a of Form 5500
PARK OHIO INDUSTRES INC

D Employer Identification Number (EIN)
34-6520107

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).. . . . . [X] 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

PANTHEON VENTURES (US) L.P.
555 CALIFORNIA STREET
SUITE 3450
SAN FRANCISCO, CA 94104

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

EVANSTON CAPITAL MANAGEMENT, LLC

30-0046847

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

GLASFUNDS, SPC
1100 SUPERIOR AVENUE EAST
SUITE 600
CLEVELAND, OH 44114

(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

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)

GAMCO ASSET MANAGEMENT INC

13-4044521

(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?
28 51	NONE	266574	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

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

WILLIS TOWERS WATSON US LLC

53-0181291

(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 50	NONE	149656	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

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

CLEARSTEAD ADVISORS LLC

34-1597728

(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?
28 51	NONE	100181	Yes [ ] No [X]	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)

HUNTINGTON BANK

21-1232181

(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?
19 50	CUSTODIAN	38192	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

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

EMPOWER

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?
19 50	CUSTODIAN	35812	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

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

US BANK NATIONAL ASSOCIATION

31-0841368

(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?
25 50	TRUSTEE	32694	Yes [ ] No [X]	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)

CHARLES SCHWAB & CO., INC.

94-1737782

(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?
19 50	CUSTODIAN	30250	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

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

BOBER MARKEY FEDOROVICH

34-1523030

(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 50	NONE	17978	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

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

BOYD WATTERSON ASSET MGT LLC

34-1922005

(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?
28 51	NONE	16522	Yes [ ] No [X]	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:

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:

a Name:

b EIN:

c Position:

d Address:

e Telephone:

Explanation:

SCHEDULE D (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

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

2023

This Form is Open to Public Inspection.

For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023

A Name of plan
PARK OHIO INDUSTRIES AND SUBSIDIARIES PENSION PLAN

B Three-digit plan number (PN) ▶ 002

C Plan or DFE sponsor's name as shown on line 2a of Form 5500
PARK OHIO INDUSTRES INC

D Employer Identification Number (EIN)
34-6520107

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: LARGE CAP BLEND/MFS

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

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)
06-1050034-000	P	168174

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)

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, other than DCGs)

(Complete as many entries as needed to report all participating plans. DCGs must report each participating plan using Schedule DCG.)

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

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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)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

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

2023

This Form is Open to Public Inspection

For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023

A Name of plan
PARK OHIO INDUSTRIES AND SUBSIDIARIES PENSION PLAN

B Three-digit plan number (PN) ▶ 002

C Plan sponsor's name as shown on line 2a of Form 5500
PARK OHIO INDUSTRES INC

D Employer Identification Number (EIN)
34-6520107

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		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)		
(2) Participant contributions	1b(2)		
(3) Other	1b(3)		
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)	252220	6126246
(2) U.S. Government securities	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other	1c(3)(B)	0	21145995
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common	1c(4)(B)	0	27091378
(5) Partnership/joint venture interests	1c(5)	0	13283803
(6) Real estate (other than employer real property)	1c(6)		
(7) Loans (other than to participants)	1c(7)		
(8) Participant loans	1c(8)		
(9) Value of interest in common/collective trusts	1c(9)	26623447	0
(10) Value of interest in pooled separate accounts	1c(10)		
(11) Value of interest in master trust investment accounts	1c(11)	109743541	0
(12) Value of interest in 103-12 investment entities	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds)	1c(13)	0	61266060
(14) Value of funds held in insurance company general account (unallocated contracts)	1c(14)	388308	168174
(15) Other	1c(15)	0	22353888

			(a) Beginning of Year	(b) End of Year
1d	Employer-related investments:			
	(1) Employer securities	1d(1)		
	(2) Employer real property	1d(2)		
e	Buildings and other property used in plan operation	1e		
f	Total assets (add all amounts in lines 1a through 1e)	1f	137007516	151435544
	Liabilities			
g	Benefit claims payable	1g		
h	Operating payables	1h		
i	Acquisition indebtedness	1i		
j	Other liabilities	1j	4458247	3771026
k	Total liabilities (add all amounts in lines 1g through1j)	1k	4458247	3771026
	Net Assets			
l	Net assets (subtract line 1k from line 1f)	1l	132549269	147664518

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)		
	(B) Participants	2a(1)(B)		
	(C) Others (including rollovers)	2a(1)(C)		
	(2) Noncash contributions	2a(2)		
	(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)	572342	
	(B) U.S. Government securities	2b(1)(B)		
	(C) Corporate debt instruments	2b(1)(C)	838284	
	(D) Loans (other than to participants)	2b(1)(D)		
	(E) Participant loans	2b(1)(E)		
	(F) Other	2b(1)(F)	3553	
	(G) Total interest. Add lines **2b(1)(A)** through **(F)**	2b(1)(G)		1414179
	(2) Dividends: **(A)** Preferred stock	2b(2)(A)	0	
	(B) Common stock	2b(2)(B)	552566	
	(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	519125	
	(D) Total dividends. Add lines **2b(2)(A)**, **(B)**, and **(C)**	2b(2)(D)		1071691
	(3) Rents	2b(3)		
	(4) Net gain (loss) on sale of assets: **(A)** Aggregate proceeds	2b(4)(A)	10916883	
	(B) Aggregate carrying amount (see instructions)	2b(4)(B)	6277262	
	(C) Subtract line **2b(4)(B)** from line **2b(4)(A)** and enter result	2b(4)(C)		4639621
	(5) Unrealized appreciation (depreciation) of assets: **(A)** Real estate	2b(5)(A)		
	(B) Other	2b(5)(B)	201267	
	(C) Total unrealized appreciation of assets. Add lines **2b(5)(A)** and **(B)**	2b(5)(C)		201267

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		
(9) Net investment gain (loss) from 103-12 investment entities	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		13587371
c Other income	2c		795547
d Total income. Add all **income** amounts in column (b) and enter total	2d		21709676
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	5459689	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)		
(4) Total benefit payments. Add lines **2e(1)** through **(3)**	2e(4)		5459689
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		
h Interest expense	2h		
i Administrative expenses:			
(1) Salaries and allowances	2i(1)		
(2) Contract administrator fees	2i(2)		
(3) Recordkeeping fees	2i(3)	4000	
(4) IQPA audit fees	2i(4)	17978	
(5) Investment advisory and investment management fees	2i(5)	413527	
(6) Bank or trust company trustee/custodial fees	2i(6)	107422	
(7) Actuarial fees	2i(7)	149656	
(8) Legal fees	2i(8)		
(9) Valuation/appraisal fees	2i(9)		
(10) Other trustee fees and expenses	2i(10)		
(11) Other expenses	2i(11)	442155	
(12) Total administrative expenses. Add lines **2i(1)** through **(11)**	2i(12)		1134738
j Total expenses. Add all **expense** amounts in column (b) and enter total	2j		6594427
Net Income and Reconciliation			
k Net income (loss). Subtract line **2j** from line **2d**	2k		15115249
l Transfers of assets:			
(1) To this plan	2l(1)		
(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) [X] 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) [X] 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: BOBER MARKEY FEDOROVICH **(2)** EIN: 34-1523030

d The opinion of an independent qualified public accountant is **not attached** as part of Schedule H because:

(1) [ ] This form is filed for a CCT, PSA, DCG 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. DCGs do not complete lines 4e, 4f, 4k, 4l, and 5, and DCGs generally complete the rest of Part IV collectively for all plans in the DCG, except as otherwise provided (see instructions).

During the plan year:

		Yes	No	Amount
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.)	**4a**		X	
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?	**4e**	X		6000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	**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.)	**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.)	**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?	**4k**		X	
l Has the plan failed to provide any benefit when due under the plan?	**4l**		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	**4m**			
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 [X] 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.) ..... [X] Yes [ ] No [ ] Not determined

If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year 521242.

SCHEDULE R (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Retirement Plan Information

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).

▶ **File as an attachment to Form 5500.**

OMB No. 1210-0110

2023

This Form is Open to Public Inspection.

For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023

A Name of plan
PARK OHIO INDUSTRIES AND SUBSIDIARIES PENSION PLAN

B Three-digit plan number (PN) ▶ 002

C Plan sponsor's name as shown on line 2a of Form 5500
PARK OHIO INDUSTRES INC

D Employer Identification Number (EIN)
34-6520107

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): 06-1050034 31-0966785

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** 174

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**

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) and (b):

a Enter the percentage of plan assets held as:

Public Equity: 56.1 % Private Equity: 7.7 % Investment-Grade Debt and Interest Rate Hedging Assets: 16.4 %

High-Yield Debt: _____ % Real Assets: 1.7 % Cash or Cash Equivalents: 4.2 % Other: 13.9 %

b Provide the average duration of the Investment-Grade Debt and Interest Rate Hedging Assets:

☐ 0-5 years ☐ 5-10 years ☒ 10-15 years ☐ 15 years or more

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._____

Part VII IRS Compliance Questions

21a Does the plan satisfy the coverage and nondiscrimination tests of Code sections 410(b) and 401(a)(4) by combining this plan with any other plans under the permissive aggregation rules? ☐ Yes ☒ No

21b If this is a Code section 401(k) plan, check all boxes that apply to indicate how the plan is intended to satisfy the nondiscrimination requirements for employee deferrals and employer matching contributions (as applicable) under Code sections 401(k)(3) and 401(m)(2).

☐ Design-based safe harbor method

☐ "Prior year" ADP test

☐ "Current year" ADP test

☒ N/A

22 If the plan sponsor is an adopter of a pre-approved plan that received a favorable IRS Opinion Letter, enter the date of the Opinion Letter ___/___/_____ (MM/DD/YYYY) and the Opinion Letter serial number_____.

PARK-OHIO INDUSTRIES, INC. AND SUBSIDIARIES
PENSION PLAN

FINANCIAL STATEMENTS

December 31, 2023 and 2022

PARK-OHIO INDUSTRIES, INC. AND SUBSIDIARIES PENSION PLAN

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BOBER MARKEY FEDOROVICH
CERTIFIED PUBLIC ACCOUNTANTS/BUSINESS ADVISORS
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INDEPENDENT AUDITORS' REPORT

To the Plan Administrative Committee and Participants
Park-Ohio Industries, Inc. and Subsidiaries Pension Plan
Cleveland, Ohio

Scope and Nature of the ERISA Section 103(a)(3)(C) Audits

We have performed audits of the accompanying financial statements of Park-Ohio Industries, Inc. and Subsidiaries Pension Plan ("the Plan"), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), as permitted by ERISA Section 103(a)(3)(C). The financial statements comprise the statements of net assets available for benefits as of December 31, 2023 and 2022, and the related statement of changes in net assets available for benefits for the year ended December 31, 2023, and the related notes to the financial statements.

Management, having determined it is permissible in the circumstances, has elected to have the audits of the Plan's 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 audits 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, 2023 and 2022, and for the year ended December 31, 2023, stating that the certified investment information, as described in Note 4 to the financial statements, is complete and accurate.

Opinion

In our opinion, based on our audits and on the procedures performed as described in the Auditors' Responsibilities for the Audits of the Financial Statements section—

- the amounts and disclosures in the financial statements referred to above, 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 financial statements referred to above 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).

Basis for Opinion

We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audits of the Financial Statements section of our report. We are required to be independent of the Plan 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.

Responsibilities of Management for the 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) audits 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 the Plan's ability to continue as a going concern for one year after the date 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 Audits of the Financial Statements
Except as described in the Scope and Nature of the ERISA Section 103(a)(3)(C) Audits 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 auditor's 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 generally accepted auditing standards 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 generally accepted auditing standards, we:

- Exercise professional judgment and maintain professional skepticism throughout the audits.
- 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 audits 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 the Plan's 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 the Plan's ability to continue as a going concern for a reasonable period of time.

Our audits did not extend to the certified investment information, except for obtaining and reading the certification, comparing the certified investment information with the related information presented and disclosed in the 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 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 audits, significant audit findings, and certain internal control-related matters that we identified during the audits.

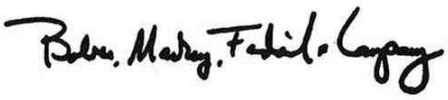
Supplemental Schedules Required by ERISA

The supplemental schedules of Schedule H, Line 4i – Schedule of Assets (Held at End of Year) and Schedule H, Line 4j – Schedule of Reportable Transactions as of December 31, 2023 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 audits 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 generally accepted auditing standards. 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, is 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 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).



BOBER, MARKEY, FEDOROVICH & COMPANY
Cleveland, Ohio

October 15, 2024

PARK-OHIO INDUSTRIES, INC. AND SUBSIDIARIES PENSION PLAN
STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS
At December 31, 2023 and 2022

	December 31, 2023	2022
ASSETS		
Investments, at fair value:	$ 151,435,544	$ 137,007,516
LIABILITIES		
Section 420 transfer	3,771,026	4,458,247
Net assets available for benefits	$ 147,664,518	$ 132,549,269

The accompanying notes are an integral part of these financial statements.

PARK-OHIO INDUSTRIES, INC. AND SUBSIDIARIES PENSION PLAN
STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS
Year Ended December 31, 2023

ADDITIONS	
Interest and dividend income	$ 1,591,441
Net appreciation in fair value of investments	20,118,235
Total additions	21,709,676
DEDUCTIONS	
Benefits paid to participants	5,459,689
Administrative expenses	1,134,738
Total deductions	6,594,427
Increase in net assets available for benefits	15,115,249
Net assets available for benefits:	
Beginning of year	132,549,269
End of year	$ 147,664,518

The accompanying notes are an integral part of these financial statements.

PARK-OHIO INDUSTRIES, INC. AND SUBSIDIARIES PENSION PLAN
NOTES TO FINANICAL STATEMENTS
December 31, 2023 and 2022

NOTE 1 – DESCRIPTION OF PLAN

General

The Park-Ohio Industries, Inc. and Subsidiaries Pension Plan (Plan) is a defined benefit plan that was formed through a series of plan mergers of affiliates or subsidiaries of Park-Ohio Industries, Inc. Participants should refer to the Plan document for a more complete description of the Plan's provisions.

On January 4, 1999, The Metalloy Corporation (Metalloy) was acquired by Park-Ohio Industries, Inc. (Park-Ohio or the Company). The Metalloy Corporation Employees' Defined Benefit Pension Trust (the Metalloy Plan) was a defined benefit plan established for the principal purpose of providing hourly employees of Metalloy with income upon retirement or disability.

Effective October 14, 1999, Park-Ohio merged the Revised Hourly Rate Pension Plan of Peotone Plant of Bennett Industries, Inc. (Bennett Plan) into the Metalloy Plan, with a retroactive effective date of January 1, 1999.

Effective September 26, 2003, the Metalloy Plan was frozen for all future benefit and services accruals.

Effective May 15, 2006, The Castle Rubber Company, a subsidiary of Park-Ohio Industries, Inc. Retirement Income Plan for Bargaining Unit Employees (the Castle Rubber Plan) and the RB&W Corporation Hourly Employees' Pension Plan (the RB&W Hourly Plan) merged with the Metalloy Plan, which was renamed the Park-Ohio Industries, Inc. and Subsidiaries Pension Plan.

Effective January 1, 2007, the RB&W Corporation Pension Plan for Contract Unit Employees at Cleveland, Ohio (RB&W Contract Unit Plan) was merged into the Plan.

Effective April 1, 2007, the Integrated Logistics Holding Corp. Pension Plan (Industrial Fasteners Plan) was merged into the Plan.

Effective October 1, 2009, the Non-Contributory Pension Plan for Local 91 Bargaining Unit Employees of The Ohio Crankshaft Divisions of Park-Ohio Industries, Inc. and Tocco, Inc. (OCCO Plan) was merged into the Plan.

In April 2011, the Company amended the Plan to cover most U.S. employees not covered by collective bargaining agreements in a cash balance account plan. Effective January 1, 2022, the plan was amended to include Autoform Tool & Manufacturing, LLC as a Participating Employer under the cash balance plan feature of the Plan.

Effective December 31, 2018, the Canton Drop Forge Pension Plan (CDF Plan) was merged into the Plan.

Contributions

The Company makes contributions as deemed necessary on an actuarial basis (unit credit funding method) to provide the Plan with assets sufficient to meet the benefits to be paid to plan participants.

The contributions are generally designed to fund current service costs and to fund prior service costs over ten to thirty years. The Company was not required to make a contribution to meet the funding requirements of the Employee Retirement Income Security Act of 1974, as amended (ERISA) for the year ended December 31, 2023.

Pension Benefits

Former Metalloy Plan

Participants of the former Metalloy Plan are entitled to a monthly pension benefit beginning at normal retirement age (65), or at age 62 with twenty years credited service equal to the product of the participant's years of credited service times the established benefit multiplier at the retirement date. Reduced benefits are available for employees retiring at age 55 with five years of credited service. Accrued benefits are 100% vested after five years of service. On March 5, 2001, the Metalloy Plan was amended to increase the benefit unit to $21.00 effective March 5, 2000, and a $1.00 increase per year through March 3, 2003.

The normal form of retirement is a life annuity for unmarried participants and a qualified joint and 50.0% survivor annuity for married participants. Optional forms of benefit payments are: 1) period certain and life annuity, 2) a life only annuity, or 3) a 66.6% or 100.0% joint and survivor annuity.

Former Bennett Plan

Participants of the former Bennett Plan are entitled to a monthly pension benefit beginning at normal retirement age (65), or at age 60 with ten years of credited service equal to the participant's years of credited service times the established benefit multiplier at the retirement date. Reduced benefits are available for employees retiring at age 55 with ten years of credited service. Credit benefit service was frozen for participants of the former Bennett Plan at December 31, 1993.

Former Castle Rubber Plan

Participants of the former Castle Rubber Plan are entitled to a monthly pension benefit beginning at age 65. A participant's annual normal retirement benefit equals a fixed benefit unit multiplied by the number of years of credited service. The fixed dollar amount varies depending on the date of retirement. For retirements occurring after July 15, 2001, the fixed benefit unit was $20.75 multiplied by the years of credited service. Future increases in the fixed benefit unit will occur in accordance with the former Castle Rubber Plan provisions. Additionally, participants of the former Castle Rubber Plan may receive disability and early retirement and a spouse's benefit for death prior to retirement. To be eligible for disability and early retirement benefits, participants must have completed ten and twenty years of credited service, respectively. In addition,

participants must have attained age 55 to be eligible for early retirement benefits. Spousal benefits are available after participants have completed five years of credited service.

During 2002, The Castle Rubber Company was sold by Park-Ohio. As a result of the sale, the former Castle Rubber Plan was frozen, effective April 26, 2002, for all future benefit and service accruals.

Former RB&W Hourly Plan

Participants of the former RB&W Hourly Plan are entitled to a monthly pension benefit at age 65. A participant's annual normal retirement benefit is a fixed dollar amount multiplied by the number of years of credited service. The fixed dollar amount varies depending upon the date of retirement. Future increases in the fixed dollar amount occur in accordance with the former RB&W Hourly Plan provisions. Additionally, participants of the former RB&W Hourly Plan may receive disability and early retirement benefits and a spouse's benefit for death prior to retirement. To be eligible for disability benefits at the Kent, Ohio plant, participants must have completed ten years of credited service prior to the date they attain age 65.

Coraopolis, Rock Falls, and Chicago plant's participants must have completed fifteen years of credited service to be eligible for disability benefits. To be eligible for early retirement benefits at the Kent, Ohio and Chicago plants, participants must have completed ten years of credited service. Participants of the Coraopolis plant must have completed fifteen years, while participants of the Rock Falls plant must have completed thirty years of credited service to be eligible for early retirement. In addition, participants must have attained age 60 to be eligible for early retirement benefits. Spousal benefits are available after participants have completed five years of credited service.

During 2002, the Coraopolis facility was closed. As a result of the closure, the portion of the former RB&W Hourly Plan relating to the Coraopolis facility was frozen for all future benefit and service accruals.

Former RB&W Contract Unit Plan

Normal retirement occurs at age 65. A participant's annual, normal retirement benefit equals a fixed dollar amount multiplied by the number of years of credited service. The fixed dollar amount varies depending upon the date of retirement.

Additionally, the Plan provides disability and early retirement benefits and a spouse's benefit for death prior to retirement. To be eligible for disability and early retirement benefits, participants must have completed ten years of credited service for the Contract Unit Employees at Cleveland, Ohio and fifteen years of credited service for Port Chester retirees. In addition, participants must have attained age 60 to be eligible for early retirement benefits. Spousal benefits are available after participants have completed five years of credited service. Port Chester retirees are not eligible for disability or spousal benefits.

Former Industrial Fasteners Plan

Normal retirement occurs at age 65. A participant's annual, normal retirement benefit equals the product of an established benefit multiplier at the retirement date times the average of the highest five consecutive calendar years of compensation. The fixed dollar amount varies depending upon the date of retirement. Additionally, the Plan provides disability and a spouse's benefit for death prior to retirement. The Plan does not provide for early retirement benefits.

Former OCCO Plan

Participants of the former OCCO Plan receive an unreduced normal pension after age 62, or after age 55 with the sum of age and years of credited benefit service at least equal to 85, or after age 50 with thirty years of credited benefit service. Otherwise, the employee receives his accrued normal retirement pension payable at age 65 or, alternatively, an immediate benefit reduced by 6/10% for each complete calendar month prior to age 65 but not under age 60, plus 4/10% for each completed calendar month prior to age 60 but not under age 55. Employees who retire after age 50 with at least thirty years of credited business service receive a temporary early retirement supplement to age 62, such that the total monthly benefit is $1,000. At age 62, the benefit reverts to the normal retirement benefit.

Former CDF Plan

Participants of the former Canton Drop Forge are entitled to a monthly pension benefit beginning at normal retirement age (65), or at age 55 with 30 years of credited service equal to the participant's years of credited service, or at 60 with 25 years of credit service times the established benefit multiplier at the termination date. Reduced benefits are available for employees retiring at age 60 with 15 years of credited service. Additionally, the Plan provides disability and a spouse's benefit for death prior to retirement.

Cash Balance Account Plan Benefits

A participant's accrued benefit is defined as a notional cash balance account. Participant cash balance accounts are credited on an annual basis with amounts equal to 3.0% of their eligible earnings, as defined by the Plan. Additionally, interest is credited to participant cash balance accounts based on the balance at the beginning of each quarter. The rate at which interest is credited to the participant cash balance accounts is based on a one-year U.S. Treasury rate. The Plan has an interest crediting rate of not less than 3% and not more than 7% annually.

Disability Benefits

Participants who are eligible for social security disability benefits are eligible for disability retirement with full vesting of their accrued benefit, actuarially reduced if payments commence before their normal retirement date. The monthly disability benefit is determined by the greater of: 1) multiplying the years of credited service, up to a maximum of forty years, by the applicable benefit multiplier in effect as of the date of disability, reduced by any amount received from workers' compensation, or 2) the actuarial equivalent of the accrued benefit at the date of disability, payable until retirement, death, or recovery.

Plan Termination

While the Company has not expressed any intent to discontinue its contributions, it is free to do so, subject to the provisions of ERISA. In the event such discontinuance results in the termination of the Plan, its available net assets will be allocated to benefits as prescribed by ERISA, generally in the following order:

a. Vested benefits currently payable.
b. Vested benefits insured by the Pension Benefit Guaranty Corporation (PBGC), as discussed below.
c. All other vested benefits.
d. All nonvested benefits.

The PBGC guarantees most, but not all, vested retirement benefits and certain disability and survivor's pensions. However, there is a statutory limitation on the amount of an individual's monthly benefit that the PBGC guarantees. That limitation applies to those pensioners who elect to receive their benefits in the form of a single-life annuity and are at least 65 years old at the time of retirement or plan termination, whichever comes later. For younger annuitants or for those who elect to receive their benefits in some form other than a single-life annuity, the corresponding limitations are actuarially adjusted.

The extent to which participants receive their benefits if the Plan were to terminate at some future time would depend on the sufficiency, at that time, of the Plan's net assets to provide those benefits, and may also depend on the level of benefits guaranteed by the PBGC.

Administrative Expenses

The Plan incurs administrative expenses directly related to the Plan which consist primarily of trustee fees, investment consultation fees, actuarial fees, audit fees, and PBGC fees. These expenses are reported on the statement of changes in net assets available for benefits as administrative expenses. Expenses relating to purchases, sales, or transfers of the Plan's investments are charged to the particular investment trust to which the expenses relate.

NOTE 2 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting

The accompanying financial statements have been prepared on the accrual basis of accounting.

Investment Valuation and Income Recognition

The Plan's investments are stated at fair value. Fair value is defined as 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 (an exit price). See Note 5 for further discussion and disclosures related to fair value measurements.

Investment transactions are recorded as of the trade date. Dividends and interest are included in income when earned, based on the terms of the investments and the periods during which they are held by the Plan.

Actuarial Present Value of Accumulated Plan Benefits

Accumulated plan benefits (see Note 3) represent the actuarial present value of 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 1) retired or terminated employees or their beneficiaries, and 2) present employees or their beneficiaries. Benefits for retired or terminated employees or their beneficiaries are based primarily on the employees' years of credited service. The accumulated plan benefits for active employees are based primarily on credited service rendered to 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 valuation date.

Use of Estimates

The preparation of financial statements in conformity with generally accepted accounting principles in the United States requires management to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying notes and supplemental schedule. Actual results could differ from those estimates.

Subsequent Events

The Plan Sponsor, Park-Ohio Industries, Inc., evaluated subsequent events of the Plan through October 15, 2024, the date these financial statements were issued.

NOTE 3 – ACCUMULATED PLAN BENEFITS

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

The actuarial present value of accumulated plan benefits at December 31, 2023 and 2022, is as follows:

	2023	2022
Vested benefits:		
Participants currently receiving benefits	$ 28,013,794	$ 28,475,231
Other participants	31,367,820	27,573,995
	59,381,614	56,049,226
Nonvested benefits	858,525	798,919
Total actuarial present value of accumulated plan benefits	$ 60,240,139	$ 56,848,145

A reconciliation of the changes in the actuarial present value of accumulated plan benefits is summarized as follows:

Actuarial present value of accumulated plan benefits at December 31, 2022	$ 56,848,145
Increase (decrease) during the year attributable to:	
Benefits accumulated	3,247,549
Actuarial losses	59,416
Interest due to decrease in the discount period	4,446,518
Benefits paid	(5,442,535)
Plan amendments	1,081,046
Actuarial present value of accumulated plan benefits at December 31, 2023	$ 60,240,139

Significant assumptions underlying the actuarial valuations are as follows:

	Former Metalloy Plan	Former Castle Rubber Plan	Former RB&W Hourly Plan	Former RB&W Contract Unit Plan	Former Industrial Fasteners Plan	Former OCCO Plan	Former CDF Plan
Interest rate	7.75%	7.75%	7.75%	7.75%	7.75%	7.75%	7.75%
Mortality	MP2021 – Headcount-Weighted Blue Collar Mortality Table (male and female)	MP2021 – Headcount-Weighted Blue Collar Mortality Table (male and female)	MP2021 – Headcount-Weighted Blue Collar Mortality Table (male and female)	MP2021 – Headcount-Weighted Blue Collar Mortality Table (male and female)	MP2021 – Headcount-Weighted Blue Collar Mortality Table (male and female)	MP2021 – Headcount-Weighted Blue Collar Mortality Table (male and female)	MP2021 – Headcount-Weighted Blue Collar Mortality Table (male and female)
Retirement age	Rates varying by age (age 55 – 70)	The assumed retirement age is 55 for deferred vested participants with 20 years of service; age 65 for all others.	Rates varying by age (age 60 – 65)	Age 65 with 5 years of service for Cleveland and 15 years of service for Port Chester	Age 65	Rates varying by age (age 55–66)	Rates varying by age (age 55–70)
Actuarial method	Projected Unit Credit Cost Method	Projected Unit Credit Cost Method	Projected Unit Credit Cost Method	Projected Unit Credit Cost Method	Projected Unit Credit Cost Method	Projected Unit Credit Cost Method	Projected Unit Credit Cost Method

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

NOTE 4 – INVESTMENTS

Other than investments of $21,293,690 and $17,874,355 at December 31, 2023 and 2022 respectively, and the related interest and dividend income and net appreciation in fair value of investments of $3,419,335 for the year ended December 31, 2023, investments were certified as complete and accurate by Charles Schwab Trust Bank, KeyBank National Association, Prudential Retirement Insurance and Annuity Company, Huntington Bank and U.S. Bank National Association. Such certified financial information includes investments held at December 31, 2023 and 2022, net appreciation (depreciation) in fair value of investments, and interest and dividend income for the year ended December 31, 2023.

NOTE 5 – FAIR VALUE MEASUREMENTS

Financial Accounting Standards Board Accounting Standards Codification ("ASC") 820, *Fair Value Measurements and Disclosures*, establishes a framework for measuring fair value. That framework 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 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). The three levels of the fair value hierarchy under ASC 820 are described below:

- Level 1 – Fair value is based on unadjusted quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access at the measurement date.

- Level 2 – Fair value is based on quoted prices in markets that are not active, quoted prices for similar assets or liabilities in active markets, and inputs that are observable for the asset or liability either directly or indirectly, for substantially the full term of the asset or liability and inputs that are derived principally from or corroborated by observable market data by correlation or other means.

- Level 3 – Valuation inputs are unobservable and significant to the fair value measurement. These inputs may be used with internally developed methodologies that result in management's best estimate.

The asset's 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 in its entirety.

Certain of the Plan's assets (Growth and Income Separate Account) are invested in a deposit administration contract with an insurance company and are stated at fair value as determined by the net asset value thereof.

Hedge funds are valued at their net asset value as a practical expedient for fair value ("NAV"). NAV is based on the underlying assets and liabilities owned by the funds. Such funds are not reflected in the fair value hierarchy.

Certain of the Plan's assets are placed in an Immediate Participation Guarantee Contract (unallocated insurance contract valued at contract value which approximates fair value) whereby they are invested in the general account of the insurance company. Periodically (each December 31st at a minimum), the insurance company adjusts the Immediate Participation Guarantee Contract to recognize funds deposited and paid out and to reflect the interest and capital gains and losses applicable to this contract for such year based on the insurance company's "experience rating plan" then in effect. At December 31, 2023 and 2022, fair value and contract value were equal. Any payments that are required to be made under this contract are made from the Immediate Participation Guarantee Contract. The insurance contract provides for various adjustments to rates upon termination.

Under this insurance contract, the Company can elect to transfer certain amounts from the Immediate Participation Guarantee Contract to the Growth and Income Separate Account, a pooled separate account maintained by the insurance company. Transfers to the Separate Account are accomplished by purchasing "Separate Account Units" at a cost per unit at the latest valuation of the Separate Account. "Separate Account Unit Values" are determined by the insurance company on specified valuation dates and will equal the fair value of the assets held in the Separate Account as of such valuation date divided by the number of "Separate Account Units" outstanding as of such valuation date.

The methods described above may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, while the Plan believes its valuation method is appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at reporting date.

At December 31, 2023 and 2022, the Plan had no unfunded commitments related to collective trust funds. The redemption of common/collective trust funds is subject to the preference of the plan administrator.

Redemption of hedge fund investments is subject to timing restrictions of either the last day of the calendar quarter or semiannually as of June 30 and December 31 and are subject to 65 to 90 days prior written notice periods. The redemptions may be subject to certain fees.

The following tables set forth the fair value of the Plan's investments by hierarchy:

	December 31, 2023			
	Level 1	Level 2	Level 3	Total
Common stock	$ 22,367,665	$ -	$ -	$ 22,367,665
Equity funds	58,301,962	-	-	58,301,962
Foreign stock	4,723,713	-	-	4,723,713
U.S. government obligation	9,269,438	-	-	9,269,438
Fixed income funds	2,968,167	-	-	2,968,167
Corporate bonds	11,876,557	-	-	11,876,557
Cash and cash equivalents	6,284,671	-	-	6,284,671
	$ 115,792,173	$ -	$ -	115,792,173
Investments measured at NAV:				
Common collective trust				5,680
Hedge funds				35,637,691
Total assets at fair value				$ 151,435,544

	December 31, 2022			
	Level 1	Level 2	Level 3	Total
Common stock	$ 24,319,562	$ -	$ -	$ 24,319,562
Equity funds	47,124,263	-	-	47,124,263
Foreign stock	4,861,452	-	-	4,861,452
U.S. government obligation	6,855,765	-	-	6,855,765
Fixed income funds	4,044,842	-	-	4,044,842
Corporate bonds	10,552,447	-	-	10,552,447
Cash and cash equivalents	7,715,016	-	-	7,715,016
	$ 105,473,347	$ -	$ -	105,473,347
Investments measured at NAV:				
Common collective trust				4,788
Hedge funds				31,529,381
Total assets at fair value				$ 137,007,516

The net unrealized gain is included in the net appreciation in fair value of investments on the accompanying Statement of Changes in Net Assets Available for Benefits. There were no transfers between hierarchy levels and there were no changes in valuation methodologies at December 31, 2023 and 2022 or for the year ended December 31, 2023.

NOTE 6 – PARTY-IN-INTEREST TRANSACTIONS

Party-in-interest transactions included the purchase and sale of certain investments through the Plan's custodians and trustees. These purchases and sales include securities which are managed by the Plan's custodians and trustees. Such transactions are exempt from being prohibited transactions.

NOTE 7 – INCOME TAX STATUS

The Company received a determination letter from the Internal Revenue Service ("IRS") dated January 11, 2021 stating that the Plan is qualified under Section 401(a) of the Code. The Plan administrator believes the Plan is being operated in compliance with the applicable requirements of the Code and, therefore, believes the Plan is qualified and the related trust is tax exempt as of December 31, 2023.

Accounting principles generally accepted in the United States of America (GAAP) requires plan management to evaluate uncertain tax positions taken by the Plan. The financial statement effects of a tax position are recognized when the position is more likely than not, based on the technical merits, to be sustained upon examination by the IRS. The Plan administrator has analyzed the tax positions taken by the Plan, and has concluded that as of December 31, 2023 and 2022, there are no uncertain positions taken or expected to be taken. The Plan has recognized no interest or penalties related to uncertain tax positions. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits in progress for any tax periods.

NOTE 8 – 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 the changes in the values of investment securities will occur in the near term and that such changes could materially affect the amounts reported in the Statements 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 estimation and assumption processes, it is at least reasonably possible that changes in these estimates and assumptions in the near term could materially affect the amounts reported and disclosed in the financial statements.

NOTE 9 – TRANSFER TO FUND POSTRETIREMENT BENEFIT PAYMENTS

During 2009, the Plan was amended to create a separate retiree medical benefits account as provided for in Section 401(h) of the Code and also to permit transfers of excess plan assets to be made to that account, as permitted under Section 420 of the Code. In 2021, the Plan was resolved to allow a transfer for the estimated retiree medical benefit expenses through December 31, 2030. The Plan approved a transfer of $5,065,098 of excess plan assets to the separate retiree medical benefits account during December 2021. $687,221 was transferred during the 2023 Plan year while no payments were transferred during the 2022 Plan year.

PARK-OHIO INDUSTRIES, INC. AND SUBSIDIARIES PENSION PLAN
EIN #38-1281105 Plan #002
Schedule H, Line 4i – Schedule of Assets
(Held at End of Year)
December 31, 2023

(a)	(b)	(c)	(d)	(e)
	Identity of Issue, Borrower, Lessor, or Similar Party	Description of Investment Including Maturity Date, Date of Interest, Collateral, Par, or Market Value	Cost	Current Value
	AES Corp	Common Stock	$ 77,343	$ 125,125
	AMC Networks	Common Stock	45,589	41,338
	Advance Auto Parts Inc	Common Stock	20,977	24,412
	American Assets Trust Inc	Common Stock	23,263	18,008
	American Express Co.	Common Stock	59,975	374,680
	Ametek Inc.	Common Stock	1,745	123,668
	Ampco - Pittsburg Corp	Common Stock	28,108	13,488
	Apa Corporation	Common Stock	53,445	57,408
	Archer Daniels Midland Co	Common Stock	21,042	28,888
	Atlanta Braves Holdings Inc.	Common Stock	405,512	642,085
	Avangrid Inc.	Common Stock	106,987	82,345
	Ball Corp	Common Stock	45,120	57,520
	Bank of New York Mellon Corp	Common Stock	698,435	1,301,250
	Baxter International Inc.	Common Stock	78,249	77,900
	Blue Bird Corp	Common Stock	60,656	80,880
	Brown Forman Corp	Common Stock	85,535	388,751
	Cts Corp	Common Stock	42,818	240,790
	Campbell Soup Co	Common Stock	77,260	95,106
	Cavco Industrial	Common Stock	2,964	51,993
	Citigroup Inc	Common Stock	41,441	51,440
	Commercial Vehicle Group Inc	Common Stock	91,335	73,605
	Crane Company	Common Stock	40,357	259,908
	Curtiss Wright Corp	Common Stock	1,330	66,837
	Dana Incoporated	Common Stock	75,369	124,185
	Deere Co	Common Stock	7,061	361,206
	Dish Network	Common Stock	127,178	46,160
	Donaldson Co.	Common Stock	14,765	163,375
	Dril Quip Inc	Common Stock	117,034	116,350
	Eagle Bancorp Inc	Common Stock	17,743	21,098
	Echostar Corp	Common Stock	14,934	16,570
	Edgewell Personal Care Co	Common Stock	335,033	323,664
	Energizer Hldngs Inc.	Common Stock	302,093	262,944
	Enpro Inc	Common Stock	78,579	188,088
	Flowserve Corp	Common Stock	38,049	256,804
	Fortune Brands Innovations Inc	Common Stock	14,290	152,280
	Fox Corp	Common Stock	446,009	304,122
	Freeport McMoran Inc	Common Stock	371,443	996,138
	G A T X Corp	Common Stock	266,562	857,467
	Genuine Parts Company	Common Stock	93,762	251,010
	Graco Inc	Common Stock	85,073	364,392
	Greif Inc Cl A	Common Stock	62,285	396,660

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(a)	(b)	(c)	(d)	(e)
	Identity of Issue, Borrower, Lessor, or Similar Party	Description of Investment Including Maturity Date, Date of Interest, Collateral, Par, or Market Value	Cost	Current Value
	Griffon Corp	Common Stock	$ 26,655	$ 182,580
	Halliburton Co	Common Stock	68,871	90,375
	Herc Holdings	Common Stock	225,127	1,012,452
	Honeywell International Inc.	Common Stock	29,761	209,710
	Iac Inc	Common Stock	536	20,952
	Hyster Yale Materials	Common Stock	130,343	186,570
	Itt Corp New	Common Stock	77,409	322,164
	Idex Corp	Common Stock	1,648	65,133
	JP Morgan Chas Co	Common Stock	26,639	119,070
	Kaman Corp	Common Stock	330,138	253,575
	Lennar Corp	Common Stock	129,593	455,770
	MacYs Inc	Common Stock	21,215	20,285
	Madison Square Garden Sports Corp	Common Stock	63,348	545,490
	Madison Square Garden Entertainment	Common Stock	31,612	158,950
	Sphere Entertainment Co	Common Stock	27,258	169,800
	Matthews Intl Corp Cl A	Common Stock	132,564	183,250
	Mondelez Intl Inc Cl A	Common Stock	89,293	254,993
	Moog Inc Cl A	Common Stock	47,206	217,170
	Morgan Stanley Com New	Common Stock	55,487	177,175
	Mueller Inds Inc	Common Stock	114,409	377,200
	Mueller Wtr Prod Inc	Common Stock	72,643	86,400
	National Fuel Gas Co NJ	Common Stock	468,390	481,318
	OReilly Automative Inc	Common Stock	6,516	237,520
	P N C Financial Services Group Inc	Common Stock	88,743	309,700
	Pnm Resources Inc	Common Stock	32,900	49,920
	Pfizer Inc	Common Stock	139,874	143,950
	Rpc Energy Svcs Inc	Common Stock	67,290	61,880
	Republic Svcs Inc	Common Stock	64,988	562,513
	Rogers Corp	Common Stock	46,770	26,414
	Rollins Inc	Common Stock	1,916	96,074
	Ryman Hospitality Properties	Common Stock	35,375	166,740
	Ew Scripps Co	Common Stock	64,350	63,920
	Sinclair Broadcast Group Inc Cl A	Common Stock	570,338	351,810
	Southwest Gas Holdings Inc	Common Stock	256,663	253,400
	Sovos Brands Inc	Common Stock	337,976	330,450
	State Street Corp	Common Stock	477,581	742,425
	Tegna Inc	Common Stock	425,300	377,637
	Telephone and Data Systems Inc	Common Stock	208,237	302,775
	Textron Inc	Common Stock	358,858	715,916
	Tredegar Corp	Common Stock	363,163	173,120
	Trinity Inds Inc	Common Stock	35,973	53,180

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(a)	(b)	(c)	(d)	(e)
	Identity of Issue, Borrower, Lessor, or Similar Party	Description of Investment Including Maturity Date, Date of Interest, Collateral, Par, or Market Value	Cost	Current Value
	US Cellular Corp	Common Stock	$ 244,235	$ 270,010
	Paramount Global Cl A	Common Stock	533,087	423,765
	Vulcan Matls Co Com	Common Stock	127,738	635,628
	Walgreens Boots Alliance Inc Com	Common Stock	44,399	52,220
	Warner Bros Discovery Inc Series A	Common Stock	151,199	135,420
	Watts Water Technologies Cl A	Common Stock	7,600	83,336
	Wells Fargo Co New Com	Common Stock	473,339	620,442
	Xylem Inc Com	Common Stock	14,775	57,180
			$ 11,926,076	$ 22,367,665
	Invesco Oppenheimer Intl Growth R6	Equity Fund	$ 4,816,323	$ 4,713,247
	Dodge Cox International Stock Fd I	Equity Fund	3,306,605	5,343,147
	Federated Hermes Intl Equity Is	Equity Fund	4,000,000	3,696,498
	Nationwide International Small Cap	Equity Fund	3,886,808	3,970,324
	Allspring Emerging Mkts Eqty Fd R6	Equity Fund	3,891,669	4,005,802
	Harbor Capital Appreciation Fund	Equity Fund	14,804,819	22,778,094
	Federated Total Return Bond Fund - Inst Shares	Equity Fund	828,981	720,572
	Fidelity 500 Index Fund	Equity Fund	8,495,442	13,074,278
			$ 44,030,647	$ 58,301,962
	Indorsia Ltd	Foreign Stock	$ 11,375	$ 1,507
	Iveco Group Nv	Foreign Stock	36,583	57,086
	Gam Holding Ag	Foreign Stock	38,362	4,652
	Iberdola Sa	Foreign Stock	68,857	79,290
	Johnson Ctls Intl Plc	Foreign Stock	96,666	232,040
	Liberty Global ltd	Foreign Stock	19,933	26,655
	Liberty Global ltd	Foreign Stock	3,493	37,280
	Millicom Intl Cellular Sa	Foreign Stock	271,777	180,000
	CNH Industrial N V	Foreign Stock	403,016	730,800
	Bce Inc	Foreign Stock	37,658	80,154
	Bausch Health Cos Inc	Foreign Stock	113,194	64,160
	Danone Spon ADR	Foreign Stock	37,444	45,325
	Diageo Plc	Foreign Stock	131,040	320,452
	Fomento Economico Mex Sp	Foreign Stock	46,469	130,350
	Grupo Televisa Sa	Foreign Stock	821,764	317,300
	Pernod Ricard	Foreign Stock	59,955	88,234
	Remy Cointreau	Foreign Stock	206,125	444,622
	Maindarin Oriental Intl Ltd	Foreign Stock	146,411	156,000
	Sony Group Corporation	Foreign Stock	214,569	1,136,280
	Telesat Corp Cl A Cl B Shrs	Foreign Stock	880,728	500,640

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(a)	(b)	(c)	(d)	(e)
	Identity of Issue, Borrower, Lessor, or Similar Party	Description of Investment Including Maturity Date, Date of Interest, Collateral, Par, or Market Value	Cost	Current Value
	Vodafone Group Plc	Foreign Stock	$ 97,719	$ 90,886
			$ 3,743,138	$ 4,723,713
	United States Treasury Bd 3.5% Due 2/15/2039	US Government Oblig	$ 317,520	$ 264,944
	United States Treasury Bd 3.875% Due 8/15/2040	US Government Oblig	969,869	794,129
	United States Treasury Bd 1.125% Due 8/15/2040	US Government Oblig	494,344	380,667
	United States Treasury Bd 4.0% Due 11/15/2042	US Government Oblig	774,980	833,379
	United States Treasury Bd 3.625% Due 2/15/2044	US Government Oblig	1,400,980	1,129,418
	United States Treasury Bd 2.875% Due 11/15/2046	US Government Oblig	942,530	634,165
	United States Treasury Bd 3.0% Due 2/15/2048	US Government Oblig	1,868,034	1,360,889
	United States Treasury Bd 2.0% Due 2/15/2050	US Government Oblig	1,921,473	1,170,663
	United States Treasury Bd 2.25% Due 2/15/2052	US Government Oblig	$ 971,943	$ 835,753
	United States Treasury Bd 4.0% Due 11/15/2052	US Government Oblig	1,386,215	1,379,938
	United States Treasury Bd 3.625% Due 5/15/2053	US Government Oblig	462,142	485,493
			$ 11,510,030	$ 9,269,438
	Federated Hermes Tot Ret Bd Is	Fixed Inc Mutual Fund	$ 3,402,572	$ 2,966,477
	Pimco Diversified Income Cl I	Fixed Inc Mutual Fund	1,625	1,690
			$ 3,404,197	$ 2,968,167
	Dominion Resources, Inc. 5.95% Due 6/15/2035	Corporate bond	$ 280,660	$ 258,809
	Home Depot Inc. 5.875% Due 12/16/2036	Corporate bond	346,866	336,848
	Regions Financial Corp 7.375% Due 12/10/2037	Corporate bond	278,303	220,308
	CVS Health Corp 4.78% Due 3/25/2038	Corporate bond	318,057	303,224
	JPMorgan Chase 6.4% Due 5/15/2038	Corporate bond	308,371	306,443
	DowDupont Inc. 5.319% Due 11/15/2038	Corporate bond	265,550	264,217
	Cisco Sys Inc. 5.9% Due 2/15/2039	Corporate bond	335,498	317,651
	Consolidated Edison Co NY 5.7% Due 6/15/2040	Corporate bond	245,420	233,108
	Burlington Northern Santa Fe 5.05% Due 3/1/2041	Corporate bond	333,245	305,980
	Citigroup Inc. 5.875% Due 1/30/2042	Corporate bond	235,543	212,364
	Bank Amer Corp 5.875% Due 2/7/2042	Corporate bond	270,569	270,640
	Morgan Stanley 6.375% Due 7/24/2042	Corporate bond	296,188	273,403
	Zoetis Inc. Sr. Nt. 4.7% Due 2/1/2043	Corporate bond	272,421	254,492
	Health Care REIT Inc. 5.125% Due 3/15/2043	Corporate bond	278,017	259,611
	McDonalds Corp 3.625% Due 5/4/2043	Corporate bond	272,220	255,085
	Apple Inc. 3.85% Due 5/4/2043	Corporate bond	310,082	292,323
	MidAmerican Energy Co 4.8% Due 9/15/2043	Corporate bond	179,671	167,384
	CMS Energy Corp 4.875% Due 3/1/2044	Corporate bond	154,663	169,666
	Conocophillips Co. 4.3% Due 11/15/2044	Corporate bond	330,625	265,844
	Valero Energy Corp 4.9% Due 3/15/2045	Corporate bond	289,065	255,478
	Duke Energy Carolinas 3.75% Due 6/1/2045	Corporate bond	338,595	273,621

PARK-OHIO INDUSTRIES, INC. AND SUBSIDIARIES PENSION PLAN
EIN #38-1281105 Plan #002
Schedule H, Line 4i – Schedule of Assets
(Held at End of Year)
December 31, 2023

(a)	(b) Identity of Issue, Borrower, Lessor, or Similar Party	(c) Description of Investment Including Maturity Date, Date of Interest, Collateral, Par, or Market Value	(d) Cost	(e) Current Value
	Verisk Analytics Inc. 5.5% Due 6/15/2045	Corporate bond	$ 273,977	$ 208,073
	Enterprise Prod Oper 4.9% Due 5/15/2046	Corporate bond	278,008	250,604
	Wells Fargo & Co 4.4% Due 6/14/2046	Corporate bond	295,287	257,743
	Raymond James Finl 4.95% Due 7/15/2046	Corporate bond	292,314	264,013
	Magellan Midstream Partners 4.25% Due 9/15/2046	Corporate bond	280,883	233,849
	Southwestern Public Service 3.7% Due 8/15/2047	Corporate bond	347,086	275,635
	Kroger Company 4.65% Due 1/15/2048	Corporate bond	378,743	275,221
	International Paper Co. 4.35% Due 8/15/2048	Corporate bond	166,452	150,349
	Tyson Foods Inc. 5.1% Due 9/28/2048	Corporate bond	262,183	235,630
	Comcast Corp 4.7% Due 10/15/2048	Corporate bond	329,183	290,656
	Starbucks Corp 4.5% Due 11/15/2048	Corporate bond	264,037	221,242
	Unitedhealth Group 4.45% Due 12/15/2048	Corporate bond	388,964	322,251
	National Rural Utils Coop 4.3% Due 3/15/2049	Corporate bond	383,519	300,142
	Mastercard Incorp 3.65% Due 6/1/2049	Corporate bond	383,103	306,019
	American Tower Corp 3.7% Due 10/15/2049	Corporate bond	283,272	214,909
	Sysco Corp 3.3% Due 2/15/2020	Corporate bond	392,854	299,111
	KLA-Tencor Corp 3.3% Due 3/1/2050	Corporate bond	330,467	256,568
	Nike Inc. 3.375% Due 3/27/2050	Corporate bond	179,393	149,280
	Nvidia Corp 3.5% Due 4/1/2050	Corporate bond	283,191	211,688
	Dollar General Corp 3.25% Due 4/3/2050	Corporate bond	275,913	217,284
	Nasdaq 3.25% Due 4/28/2050	Corporate bond	242,322	199,673
	Fedex Corp 5.25% Due 5/15/2050	Corporate bond	338,826	251,502
	Crown Castle Inc. 3.25% Due 1/15/2051	Corporate bond	229,508	164,541
	AT&T Inc. 3.65% Due 6/1/2051	Corporate bond	377,872	288,634
	Lowes Cos Inc. 5.625% Due 4/15/2053	Corporate bond	222,762	234,178
	Meta Platforms Inc. 5.6% Due 5/15/2053	Corporate bond	263,534	301,263
			$ 13,683,282	$ 11,876,557
	First Am Govt Ob Fd Cl Z	Cash and cash equivalents	$ 5,145,520	$ 5,145,520
	Federated Government Obligations Institutional	Cash and cash equivalents	763,255	763,255
	EB Short Term Investment Fund	Cash and cash equivalents	43,500	43,500
	Federated Hermes Treasury OBL CL AS	Cash and cash equivalents	147,695	147,695
*	Schwab Bank Savings	Cash and cash equivalents	22,208	22,208
			$ 6,122,178	$ 6,122,178
*	Empower Retirement	Guaranteed Investment Contract	$ 162,493	$ 162,493

PARK-OHIO INDUSTRIES, INC. AND SUBSIDIARIES PENSION PLAN
EIN #38-1281105 Plan #002
Schedule H, Line 4i – Schedule of Assets
(Held at End of Year)
December 31, 2023

(a)	(b) Identity of Issue, Borrower, Lessor, or Similar Party	(c) Description of Investment Including Maturity Date, Date of Interest, Collateral, Par, or Market Value	(d) Cost	(e) Current Value
*	Empower Retirement	Blend/Victory Fund (SA-9V)	$ 916	$ 5,680
	Weatherlow Offshore Fd II CL IA	Hedge Fund	$ 9,880,302	$ 10,628,300
	Carlyle Global Infra Opp Fd LP	Hedge Fund	748,965	919,642
	Gabelli Assc Ltd II E Cl A Ser 0410	Hedge Fund	4,506,286	6,335,618
	Pantheon Access (Erisa) LP	Hedge Fund	4,384,786	6,028,543
	Glas Funds Spc	Hedge Fund	14,140,909	11,725,588
			$ 33,661,248	$ 35,637,691
	Total assets held for investment purposes		$ 128,244,205	$ 151,435,544

* Party in interest

PARK-OHIO INDUSTRIES, INC. AND SUBSIDIARIES PENSION PLAN
Schedule H, line 4j - Schedule of Reportable Transactions
Year Ended December 31, 2023
#38-1281105 Plan 002

(a) Identity of party involved	(b) Description of asset	(c) Purchase price	(d) Selling price	(e) Lease rental	(f) Expense incurred with transaction	(g) Cost of asset	(h) Current value of asset on transaction date	(i) Net gain/ (loss)

See pages 1-59 of the attached report from US Bank National Association for the Transactions in Excess of Five Percent of Plan Assets.

PARK - OHIO INDUSTRIES, INC. AND SUBSIDIARIES PENSION PLAN
Schedule H, line 4j - Schedule of Reportable Transactions
Year ended December 31, 2023
#38-1281105 Plan 002

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
	BEGINNING MARKET VALUE				**91,011,811.41**		
	COMPARATIVE VALUE (5%)				**4,550,590.57**		
CATEGORY 1 - SINGLE TRANSACTION EXCEEDS 5% OF VALUE							
Issue: 412295701 - Harding Loevner Ins Emerging Mrkt Fd							
04/14/2023 001050976230	S	- 309,407.872	18.3600		5,680,729 *	4,565,993	1,114,736
Issue: 94987W539 - Allspring Emerging Mkts Eqty Fd R6							
04/14/2023 001050976230	B	215,798.046	24.5600		- 5,300,000 *	5,300,000	
GRAND TOTAL				**0**	**10,980,729**	**9,865,993**	**1,114,736**
CATEGORY 2 - SERIES OF TRANSACTIONS WITH SAME BROKER EXCEEDS 5% OF VALUE							
Broker: Direct From Issuer							
Issue: 97MSCTKZ6 - The Weatherlow Offshore Fund II							
01/01/2023 001050976230	S	- 1,412.717	1,769.6395		2,500,000	1,008,998	1,491,002
Issue: 96MSC6BB1 - Carlyle Global Infra Opp Fd LP							
01/05/2023 001050976233	B	2,972.000	1.0000		- 2,972	2,972	
Issue: 97MSCTKZ6 - The Weatherlow Offshore Fund II							
01/27/2023 001050976230	S	- 828.791	1,809.8650		1,500,000	591,943	908,057
Issue: 9SPMTJSV5 - Glas Funds Spc							
01/27/2023 001050976230	B	300,000.000	1.0000		- 300,000	300,000	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 96MSC6BB1 - Carlyle Global Infra Opp Fd LP							
02/03/2023 001050976233	B	64,344.000	1.0000		- 64,344	64,344	
Issue: 97MSCSHY5 - Pantheon Access (Erisa) LP							
02/10/2023 001050976233	B	174,000.000	1.0000		- 174,000	174,000	
Issue: 9SPMTJSV5 - Glas Funds Spc							
03/23/2023 001050976230	B	500,000.000	1.0000		- 500,000	500,000	
Issue: 97MSCSHY5 - Pantheon Access (Erisa) LP							
05/11/2023 001050976233	B	162,000.000	1.0000		- 162,000	162,000	
Issue: 9SPMTJSV5 - Glas Funds Spc							
06/15/2023 001050976230	B	500,000.000	1.0000		- 500,000	500,000	
Issue: 96MSC6BB1 - Carlyle Global Infra Opp Fd LP							
07/14/2023 001050976233	B	27,936.000	1.0000		- 27,936	27,936	
Issue: 9SPMTJSV5 - Glas Funds Spc							
08/02/2023 001050976230	B	500,000.000	1.0000		- 500,000	500,000	
Issue: 96MSC6BB1 - Carlyle Global Infra Opp Fd LP							
09/29/2023 001050976233	S	- 6,650.000	1.0000		6,650	5,725	925
Issue: 9SPMTJSV5 - Glas Funds Spc							
10/04/2023 001050976230	B	500,000.000	1.0000		- 500,000	500,000	
Issue: 9SPMTJSV5 - Glas Funds Spc							
12/13/2023 001050976230	B	500,000.000	1.0000		- 500,000	500,000	
Total For Direct From Issuer				**0**	**7,237,902**	**4,837,918**	**2,399,984**

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Broker: Gabelli & Company, Inc.							
Issue: 838518108 - South Jersey Industries							
01/20/2023 001050976232	B	4,000.000	35.8168	120	- 143,387	143,387	
Issue: 942749102 - Watts Water Technologies Cl A							
02/02/2023 001050976232	S	- 100.000	171.0791	3	17,105	1,900	15,205
Issue: 398433102 - Griffon Corp							
02/02/2023 001050976232	S	- 700.000	41.5466	22	29,061	6,220	22,841
Issue: 624756102 - Mueller Inds Inc							
02/02/2023 001050976232	S	- 700.000	69.7519	22	48,804	20,022	28,783
Issue: 40049J206 - Grupo Televisa Sa Spon A D R							
02/02/2023 001050976232	S	- 2,000.000	6.5135	60	12,967	21,551	- 8,584
Issue: 775133101 - Rogers Corp							
02/02/2023 001050976232	B	100.000	141.2200	3	- 14,125	14,125	
Issue: 577128101 - Matthews Intl Corp Cl A							
02/02/2023 001050976232	S	- 500.000	37.8902	12	18,933	13,256	5,676
Issue: 397624107 - Greif Inc Cl A							
02/02/2023 001050976232	S	- 400.000	72.2675	13	28,894	4,152	24,742
Issue: 949746101 - Wells Fargo Co New Com							
02/02/2023 001050976232	S	- 1,000.000	47.2591	31	47,228	38,614	8,614
Issue: 879512309 - Telesat Corp Cl A Cl B Shs							
02/02/2023 001050976232	B	3,000.000	9.9175	60	- 29,813	29,813	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 69349H107 - Pnm Resources Inc							
02/02/2023 001050976232	S	- 500.000	48.9059	16	24,437	13,708	10,729
Issue: 42704L104 - Herc Holdings Inc							
02/02/2023 001050976232	S	- 400.000	158.8701	13	63,535	13,243	50,292
Issue: 398433102 - Griffon Corp							
02/03/2023 001050976232	S	- 2,000.000	42.7884	62	85,515	17,770	67,745
Issue: 775133101 - Rogers Corp							
02/06/2023 001050976232	S	- 200.000	153.9150	7	30,776	50,254	- 19,478
Issue: 141619106 - Cardiovascular Systems Inc							
02/09/2023 001050976232	B	10,000.000	19.7700	12	- 197,712	197,712	
Issue: 257651109 - Donaldson Co Inc							
02/23/2023 001050976232	S	- 600.000	63.3167	18	37,972	3,544	34,428
Issue: 624756102 - Mueller Inds Inc							
02/23/2023 001050976232	S	- 600.000	72.8881	18	43,715	17,161	26,553
Issue: 483548103 - Kaman Corp							
02/23/2023 001050976232	S	- 300.000	25.4167	9	7,616	9,433	- 1,817
Issue: 775133101 - Rogers Corp							
02/23/2023 001050976232	B	100.000	146.7100	3	- 14,674	14,674	
Issue: 911684108 - US Cellular Corp							
02/23/2023 001050976232	S	- 400.000	24.4409	12	9,764	16,003	- 6,238
Issue: 879512309 - Telesat Corp Cl A Cl B Shs							
02/23/2023 001050976232	B	2,000.000	9.5682	40	- 19,176	19,176	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 462726100 - Irobot Corp							
02/23/2023 001050976232	S	- 300.000	41.9867	12	12,584	17,862	- 5,278
Issue: 025816109 - American Express Co							
02/27/2023 001050976232	S	- 300.000	173.6606	9	52,089	8,996	43,093
Issue: 361448103 - G A T X Corp							
02/27/2023 001050976232	S	- 300.000	109.8733	9	32,953	11,263	21,690
Issue: 398433102 - Griffon Corp							
02/27/2023 001050976232	S	- 2,000.000	37.2465	61	74,432	17,770	56,662
Issue: 624756102 - Mueller Inds Inc							
02/27/2023 001050976232	S	- 900.000	73.7335	28	66,333	25,742	40,591
Issue: 775133101 - Rogers Corp							
02/27/2023 001050976232	S	- 200.000	149.1500	6	29,824	46,770	- 16,946
Issue: 397624107 - Greif Inc Cl A							
02/27/2023 001050976232	S	- 800.000	70.7174	24	56,549	8,305	48,245
Issue: 760759100 - Republic Svcs Inc							
02/27/2023 001050976232	S	- 400.000	129.5290	12	51,799	7,646	44,154
Issue: 57638P104 - Masterbrand Inc Common Stock							
02/27/2023 001050976232	S	- 1,200.000	9.9820	36	11,942	1,443	10,500
Issue: 007800105 - Aerojet Rocketdyne Holdings							
02/27/2023 001050976232	S	- 800.000	56.0844	24	44,843	13,305	31,539
Issue: 064058100 - Bank Of New York Mellon Corp							
02/27/2023 001050976232	S	- 1,000.000	50.9005	30	50,870	27,937	22,933

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 42704L104 - Herc Holdings Inc							
02/27/2023 001050976232	S	- 500.000	143.3250	16	71,647	16,553	55,093
Issue: 462726100 - Irobot Corp							
02/27/2023 001050976232	S	- 400.000	41.9106	12	16,752	23,816	- 7,064
Issue: G51502105 - Johnson Ctls Intl Plc Shs							
02/27/2023 001050976232	S	- 500.000	62.9193	15	31,444	12,083	19,361
Issue: 115637100 - Brown Forman Corp							
02/28/2023 001050976232	S	- 300.000	65.7000	9	19,701	3,948	15,753
Issue: 397624107 - Greif Inc Cl A							
02/28/2023 001050976232	S	- 400.000	70.5768	12	28,218	4,152	24,066
Issue: 224441105 - Crane Nxt Co							
02/28/2023 001050976232	S	- 300.000	119.6167	9	35,876	8,449	27,427
Issue: 928542109 - Vivint Smart Home Inc							
02/28/2023 001050976232	S	- 4,811.000	11.5004	145	55,184	57,360	- 2,176
Issue: 449172105 - Hyster Yale Materials W I							
02/28/2023 001050976232	S	- 200.000	38.2276	6	7,639	8,690	- 1,050
Issue: 007800105 - Aerojet Rocketdyne Holdings							
02/28/2023 001050976232	S	- 700.000	56.2633	21	39,363	11,641	27,722
Issue: 29355X107 - Enpro Inc							
02/28/2023 001050976232	S	- 200.000	112.9000	6	22,574	13,097	9,477
Issue: 25470M109 - Dish Network Corp Cl A							
02/28/2023 001050976232	B	500.000	11.3864	12	- 5,705	5,705	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 149568107 - Cavco Industrial Inc							
02/28/2023 001050976232	S	- 200.000	285.2500	12	57,038	3,953	53,085
Issue: 42704L104 - Herc Holdings Inc							
02/28/2023 001050976232	S	- 300.000	143.1500	9	42,936	9,932	33,004
Issue: 928542109 - Vivint Smart Home Inc							
03/01/2023 001050976232	S	- 18,000.000	11.8016	542	211,887	214,607	- 2,720
Issue: 449172105 - Hyster Yale Materials W I							
03/01/2023 001050976232	S	- 200.000	41.8965	6	8,373	8,690	- 316
Issue: 398433102 - Griffon Corp							
03/02/2023 001050976232	S	- 1,500.000	37.3700	45	56,010	13,328	42,682
Issue: 449172105 - Hyster Yale Materials W I							
03/02/2023 001050976232	S	- 300.000	43.7230	9	13,108	13,034	74
Issue: 024013104 - American Assets Trust Inc							
03/10/2023 001050976232	B	300.000	19.6400	9	- 5,901	5,901	
Issue: 141619106 - Cardiovascular Systems Inc							
03/10/2023 001050976232	B	2,000.000	19.6000	40	- 39,240	39,240	
Issue: 942749102 - Watts Water Technologies Cl A							
03/13/2023 001050976232	S	- 150.000	163.2528	5	24,483	2,850	21,633
Issue: 40049J206 - Grupo Televisa Sa Spon A D R							
03/13/2023 001050976232	B	2,000.000	4.7315	40	- 9,503	9,503	
Issue: 829226109 - Sinclair Broadcast Group Inc A							
03/13/2023 001050976232	B	1,500.000	14.2847	30	- 21,457	21,457	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 55826T102 - Sphere Entertainment Co							
03/13/2023 001050976232	S	- 220.000	55.4000	7	12,181	2,590	9,591
Issue: 45580R103 - Indus Realty Trust Inc Com							
03/13/2023 001050976232	S	- 3,500.000	65.7285	72	229,978	44,655	185,323
Issue: 879512309 - Telesat Corp Cl A Cl B Shs							
03/13/2023 001050976232	B	1,000.000	6.8510	20	- 6,871	6,871	
Issue: 69349H107 - Pnm Resources Inc							
03/13/2023 001050976232	S	- 300.000	48.9000	9	14,661	8,225	6,436
Issue: 45073V108 - Itt Corp New							
03/13/2023 001050976232	S	- 600.000	84.7944	18	50,858	17,202	33,656
Issue: 141619106 - Cardiovascular Systems Inc							
03/13/2023 001050976232	B	2,000.000	19.5800	12	- 39,172	39,172	
Issue: 835699307 - Sony Group Corporation A D R							
03/17/2023 001050976232	S	- 200.000	86.5725	6	17,308	3,576	13,732
Issue: 40049J206 - Grupo Televisa Sa Spon A D R							
03/17/2023 001050976232	B	5,000.000	4.4827	100	- 22,514	22,514	
Issue: 126501105 - Cts Corp							
03/17/2023 001050976232	S	- 500.000	45.0900	15	22,530	3,893	18,637
Issue: 760759100 - Republic Svcs Inc							
03/17/2023 001050976232	S	- 300.000	130.6001	9	39,171	5,734	33,436
Issue: 45580R103 - Indus Realty Trust Inc Com							
03/17/2023 001050976232	S	- 300.000	65.6708	12	19,689	3,828	15,862

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 87901J105 - Tegna Inc							
03/17/2023 001050976232	B	500.000	15.2022	15	- 7,616	7,616	
Issue: G28923103 - Diversey Hldgs Ltd Ord Shs							
03/17/2023 001050976232	B	15,000.000	7.9139		- 118,709	118,709	
Issue: L6388F110 - Millicom Intl Cellular Sa							
03/17/2023 001050976232	S	- 500.000	18.1000	12	9,038	13,589	- 4,551
Issue: 879512309 - Telesat Corp Cl A Cl B Shs							
03/21/2023 001050976232	S	- 2,000.000	6.7165	40	13,393	45,466	- 32,073
Issue: 844895102 - Southwest Gas Holdings Inc Com							
03/23/2023 001050976232	B	400.000	58.8500	12	- 23,552	23,552	
Issue: 775133101 - Rogers Corp							
03/30/2023 001050976232	S	- 100.000	162.1500	3	16,212	23,385	- 7,173
Issue: 115637100 - Brown Forman Corp							
03/31/2023 001050976232	S	- 200.000	64.8926	6	12,972	2,632	10,341
Issue: 134429109 - Campbell Soup Co							
03/31/2023 001050976232	S	- 200.000	54.8700	6	10,968	7,024	3,944
Issue: 844895102 - Southwest Gas Holdings Inc Com							
03/31/2023 001050976232	B	600.000	62.0607	18	- 37,254	37,254	
Issue: 624756102 - Mueller Inds Inc							
03/31/2023 001050976232	S	- 300.000	72.8572	9	21,848	8,581	13,267
Issue: 384109104 - Graco Inc							
03/31/2023 001050976232	S	- 300.000	72.4903	9	21,738	6,077	15,661

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 829226109 - Sinclair Broadcast Group Inc A							
03/31/2023 001050976232	B	2,000.000	16.8667	40	- 33,773	33,773	
Issue: 89421B109 - Travelcenters Amer Inc							
03/31/2023 001050976232	B	300.000	86.5000	12	- 25,962	25,962	
Issue: 879512309 - Telesat Corp Cl A Cl B Shs							
03/31/2023 001050976232	B	2,000.000	8.5468	40	- 17,134	17,134	
Issue: 449172105 - Hyster Yale Materials W I							
03/31/2023 001050976232	S	- 300.000	49.4720	9	14,832	13,034	1,798
Issue: 526057302 - Lennar Corp Cl B							
03/31/2023 001050976232	B	100.000	89.5013	3	- 8,953	8,953	
Issue: 149568107 - Cavco Industrial Inc							
03/31/2023 001050976232	S	- 200.000	316.2572	13	63,239	3,953	59,286
Issue: 34964C106 - Fortune Brands Innovations Inc							
03/31/2023 001050976232	S	- 300.000	58.7800	9	17,625	2,143	15,481
Issue: 894650100 - Tredegar Corp							
04/04/2023 001050976232	B	11,184.000	9.0003	336	- 100,995	100,995	
Issue: 42805E306 - Heska Corp							
04/04/2023 001050976232	B	3,000.000	117.0647	12	- 351,206	351,206	
Issue: 894650100 - Tredegar Corp							
04/05/2023 001050976232	B	2,816.000	8.9444	84	- 25,272	25,272	
Issue: 253651103 - Diebold Incorporated							
04/12/2023 001050976232	S	- 1,200.000	1.0000	24	1,176	15,646	- 14,470

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 844895102 - Southwest Gas Holdings Inc Com							
04/12/2023 001050976232	B	300.000	60.4900	9	- 18,156	18,156	
Issue: 483548103 - Kaman Corp							
04/12/2023 001050976232	S	- 300.000	22.3000	9	6,681	9,433	- 2,752
Issue: 224441105 - Crane Nxt Co							
04/12/2023 001050976232	S	- 400.000	46.0140	12	18,393	3,927	14,466
Issue: 45580R103 - Indus Realty Trust Inc Com							
04/12/2023 001050976232	S	- 400.000	66.3600	12	26,532	5,103	21,428
Issue: 149568107 - Cavco Industrial Inc							
04/12/2023 001050976232	S	- 100.000	289.4000	12	28,928	1,976	26,951
Issue: 05351W103 - Avangrid Inc							
04/12/2023 001050976232	S	- 300.000	40.9933	9	12,289	13,543	- 1,254
Issue: 024013104 - American Assets Trust Inc							
04/12/2023 001050976232	S	- 300.000	17.6600	9	5,289	9,417	- 4,128
Issue: 462726100 - Irobot Corp							
04/12/2023 001050976232	S	- 200.000	41.6900	12	8,326	11,908	- 3,582
Issue: 74349U108 - Prometheus Biosciences Inc							
04/17/2023 001050976232	B	600.000	193.0662	12	- 115,852	115,852	
Issue: 268948106 - Eagle Bancorp Inc							
04/20/2023 001050976232	B	500.000	27.3575	12	- 13,691	13,691	
Issue: 224441105 - Crane Nxt Co							
04/24/2023 001050976232	S	- 100.000	48.7459	3	4,872	982	3,890

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 361448103 - G A T X Corp							
04/25/2023 001050976232	S	- 200.000	113.8584	6	22,766	7,509	15,257
Issue: 115637100 - Brown Forman Corp							
04/26/2023 001050976232	S	- 300.000	64.7700	9	19,422	3,948	15,474
Issue: 361448103 - G A T X Corp							
04/26/2023 001050976232	S	- 600.000	112.3114	19	67,368	22,526	44,842
Issue: 844895102 - Southwest Gas Holdings Inc Com							
04/26/2023 001050976232	B	300.000	55.0651	9	- 16,529	16,529	
Issue: 257651109 - Donaldson Co Inc							
04/26/2023 001050976232	S	- 300.000	62.2800	9	18,675	1,772	16,903
Issue: 894650100 - Tredegar Corp							
04/26/2023 001050976232	S	- 1,500.000	8.9322	45	13,353	18,013	- 4,660
Issue: 624756102 - Mueller Inds Inc							
04/26/2023 001050976232	S	- 1,200.000	70.8112	37	84,937	34,323	50,614
Issue: 35671D857 - Freeport McMoran Inc							
04/26/2023 001050976232	S	- 1,200.000	37.1800	36	44,580	19,048	25,531
Issue: 775133101 - Rogers Corp							
04/26/2023 001050976232	S	- 100.000	155.1000	3	15,507	23,385	- 7,878
Issue: 34354P105 - Flowserve Corp							
04/26/2023 001050976232	S	- 300.000	32.1700	9	9,642	1,841	7,801
Issue: 760759100 - Republic Svcs Inc							
04/26/2023 001050976232	S	- 300.000	137.4561	9	41,228	5,734	35,493

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 344419106 - Fomento Economico Mex Sp A D R							
04/26/2023 001050976232	S	- 300.000	94.9200	9	28,467	13,941	14,526
Issue: 57638P104 - Masterbrand Inc Common Stock							
04/26/2023 001050976232	S	- 700.000	7.5529	21	5,266	842	4,424
Issue: 224441105 - Crane Nxt Co							
04/26/2023 001050976232	S	- 700.000	46.8743	21	32,791	6,873	25,918
Issue: 45580R103 - Indus Realty Trust Inc Com							
04/26/2023 001050976232	S	- 300.000	66.5300	12	19,947	3,828	16,119
Issue: 69349H107 - Pnm Resources Inc							
04/26/2023 001050976232	S	- 700.000	48.7190	21	34,082	19,192	14,890
Issue: G28923103 - Diversey Hldgs Ltd Ord Shs							
04/26/2023 001050976232	S	- 15,000.000	8.1300	301	121,649	118,709	2,941
Issue: 024013104 - American Assets Trust Inc							
04/26/2023 001050976232	S	- 300.000	17.8900	9	5,358	9,417	- 4,059
Issue: 253651103 - Diebold Incorporated							
04/27/2023 001050976232	S	- 1,300.000	.7457	26	943	16,950	- 16,006
Issue: 462726100 - Irobot Corp							
05/02/2023 001050976232	B	200.000	38.7800	12	- 7,768	7,768	
Issue: 783332109 - Ruths Hospitality Group Inc							
05/04/2023 001050976232	B	3,000.000	21.4300	15	- 64,305	64,305	
Issue: 775711104 - Rollins Inc							
05/10/2023 001050976232	S	- 300.000	42.2700	9	12,672	261	12,411

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 760759100 - Republic Svcs Inc							
05/10/2023 001050976232	S	- 400.000	147.8944	12	59,145	7,646	51,500
Issue: 949746101 - Wells Fargo Co New Com							
05/10/2023 001050976232	S	- 300.000	38.2247	9	11,458	11,584	- 126
Issue: 98419M100 - Xylem Inc Com							
05/10/2023 001050976232	S	- 300.000	106.4682	9	31,931	8,865	23,066
Issue: 462726100 - Irobot Corp							
05/12/2023 001050976232	B	200.000	34.0800	12	- 6,828	6,828	
Issue: 45580R103 - Indus Realty Trust Inc Com							
05/18/2023 001050976232	S	- 400.000	66.7458	12	26,686	5,103	21,583
Issue: 462726100 - Irobot Corp							
05/18/2023 001050976232	B	800.000	33.1473	16	- 26,534	26,534	
Issue: 361448103 - G A T X Corp							
05/26/2023 001050976232	S	- 400.000	119.4296	12	47,759	15,018	32,742
Issue: 624756102 - Mueller Inds Inc							
05/26/2023 001050976232	S	- 1,000.000	76.3924	31	76,362	28,602	47,760
Issue: 829226109 - Sinclair Broadcast Group Inc A							
05/26/2023 001050976232	B	1,000.000	15.1419	20	- 15,162	15,162	
Issue: 92556H107 - Paramount Global Cl A Ord							
05/26/2023 001050976232	B	800.000	17.2938	16	- 13,851	13,851	
Issue: 149568107 - Cavco Industrial Inc							
05/26/2023 001050976232	S	- 200.000	269.6981	12	53,927	3,953	49,975

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 42805E306 - Heska Corp							
05/26/2023 001050976232	S	- 300.000	115.5742	12	34,660	35,121	- 461
Issue: 268948106 - Eagle Bancorp Inc							
05/26/2023 001050976232	B	200.000	20.2000	12	- 4,052	4,052	
Issue: 361448103 - G A T X Corp							
05/30/2023 001050976232	S	- 600.000	121.9862	19	73,173	22,526	50,647
Issue: 624756102 - Mueller Inds Inc							
05/30/2023 001050976232	S	- 300.000	77.6345	9	23,281	8,581	14,700
Issue: 92047W101 - Valvoline Inc							
05/30/2023 001050976232	S	- 2,000.000	38.1544	61	76,248	60,071	16,178
Issue: 879433829 - Telephone And Data Systems Inc							
06/14/2023 001050976232	B	2,000.000	7.4500	60	- 14,960	14,960	
Issue: 29355X107 - Enpro Inc							
06/14/2023 001050976232	S	- 300.000	124.9467	9	37,475	19,645	17,830
Issue: 202608105 - Commercial Vehicle Group Inc							
06/14/2023 001050976232	S	- 500.000	10.0625	12	5,019	4,349	670
Issue: 98419M100 - Xylem Inc Com							
06/14/2023 001050976232	S	- 300.000	111.2600	9	33,369	8,865	24,504
Issue: 829242106 - Sinclair Broadcast Group Inc Cl A							
06/15/2023 001050976232	B	1,000.000	14.2821	20	- 14,302	14,302	
Issue: 829242106 - Sinclair Broadcast Group Inc Cl A							
06/16/2023 001050976232	B	3,000.000	13.9998	60	- 42,059	42,059	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 879512309 - Telesat Corp Cl A Cl B Shs							
06/16/2023 001050976232	B	6,000.000	9.0346	120	- 54,328	54,328	
Issue: 398433102 - Griffon Corp							
06/20/2023 001050976232	S	- 500.000	37.7500	15	18,860	4,443	14,417
Issue: 23345J104 - Dice Therapeutics Inc Com							
06/20/2023 001050976232	B	4,500.000	46.6621	23	- 210,002	210,002	
Issue: 624756102 - Mueller Inds Inc							
06/26/2023 001050976232	S	- 300.000	84.9050	9	25,462	8,581	16,882
Issue: 42704L104 - Herc Holdings Inc							
06/26/2023 001050976232	S	- 200.000	128.9520	6	25,784	6,621	19,163
Issue: 253651103 - Diebold Incorporated							
06/27/2023 001050976232	B	5,500.000	.0460		- 253	253	
Issue: 361448103 - G A T X Corp							
06/27/2023 001050976232	S	- 300.000	124.2184	9	37,256	11,263	25,993
Issue: 57638P104 - Masterbrand Inc Common Stock							
06/27/2023 001050976232	S	- 800.000	11.0700	24	8,832	962	7,870
Issue: 29355X107 - Enpro Inc							
06/27/2023 001050976232	S	- 200.000	128.2720	6	25,648	13,097	12,552
Issue: 23345J104 - Dice Therapeutics Inc Com							
06/27/2023 001050976232	B	1,500.000	46.7300	12	- 70,107	70,107	
Issue: 624756102 - Mueller Inds Inc							
06/28/2023 001050976232	S	- 400.000	86.3142	12	34,513	11,441	23,072

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 879512309 - Telesat Corp Cl A Cl B Shs							
06/28/2023 001050976232	B	3,000.000	9.2596	60	- 27,839	27,839	
Issue: 894650100 - Tredegar Corp							
06/29/2023 001050976232	B	1,500.000	6.7536	45	- 10,175	10,175	
Issue: 911684108 - US Cellular Corp							
06/29/2023 001050976232	B	500.000	17.8646	15	- 8,947	8,947	
Issue: 829242106 - Sinclair Broadcast Group Inc Cl A							
06/29/2023 001050976232	B	2,000.000	14.1425	40	- 28,325	28,325	
Issue: 024013104 - American Assets Trust Inc							
06/29/2023 001050976232	B	200.000	18.6400	6	- 3,734	3,734	
Issue: 253651103 - Diebold Incorporated							
06/30/2023 001050976232	S	- 6,500.000	.0530		344	46,042	- 45,698
Issue: 844895102 - Southwest Gas Holdings Inc Com							
06/30/2023 001050976232	B	400.000	63.5000	12	- 25,412	25,412	
Issue: 384109104 - Graco Inc							
06/30/2023 001050976232	S	- 300.000	86.4100	9	25,914	6,077	19,837
Issue: 025816109 - American Express Co							
07/13/2023 001050976232	S	- 500.000	174.7836	16	87,376	14,994	72,382
Issue: 398433102 - Griffon Corp							
07/13/2023 001050976232	S	- 600.000	41.4198	18	24,834	5,331	19,503
Issue: 16961L106 - Chinook Therapeutics Inc							
07/13/2023 001050976232	B	1,500.000	39.1790	12	- 58,781	58,781	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 483548103 - Kaman Corp							
07/13/2023 001050976232	S	- 900.000	24.5237	27	22,044	28,298	- 6,253
Issue: 397624107 - Greif Inc Cl A							
07/13/2023 001050976232	S	- 400.000	71.3495	12	28,528	4,152	24,375
Issue: 23636T100 - Danone Spon A D R							
07/13/2023 001050976232	S	- 1,500.000	12.4900	30	18,705	16,047	2,658
Issue: 224441105 - Crane Nxt Co							
07/13/2023 001050976232	S	- 500.000	57.3863	15	28,678	4,909	23,769
Issue: 526057302 - Lennar Corp Cl B							
07/13/2023 001050976232	S	- 500.000	117.7177	15	58,843	19,058	39,786
Issue: 34964C106 - Fortune Brands Innovations Inc							
07/13/2023 001050976232	S	- 400.000	73.5981	12	29,427	2,858	26,569
Issue: 17273K109 - Circor International Inc							
07/17/2023 001050976232	S	- 3,000.000	55.9072	91	167,630	71,530	96,100
Issue: 16150R104 - Chase Corp							
07/21/2023 001050976232	B	1,700.000	126.0853	51	- 214,396	214,396	
Issue: 16150R104 - Chase Corp							
07/24/2023 001050976232	B	800.000	125.8793	24	- 100,727	100,727	
Issue: 462726100 - Irobot Corp							
07/25/2023 001050976232	S	- 1,800.000	41.2225	37	74,164	76,853	- 2,689
Issue: 883203101 - Textron Inc							
07/31/2023 001050976232	S	- 900.000	77.1922	28	69,445	36,289	33,156

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 942749102 - Watts Water Technologies Cl A							
07/31/2023 001050976232	S	- 50.000	184.2100	2	9,209	950	8,259
Issue: 911684108 - US Cellular Corp							
07/31/2023 001050976232	B	300.000	17.6595	9	- 5,307	5,307	
Issue: 879433829 - Telephone And Data Systems Inc							
07/31/2023 001050976232	B	1,000.000	8.1000	30	- 8,130	8,130	
Issue: 16961L106 - Chinook Therapeutics Inc							
08/07/2023 001050976232	B	1,500.000	40.2600	12	- 60,402	60,402	
Issue: 224441105 - Crane Nxt Co							
08/07/2023 001050976232	S	- 500.000	57.3057	15	28,638	4,909	23,728
Issue: 879512309 - Telesat Corp Cl A Cl B Shs							
08/07/2023 001050976232	B	5,000.000	9.0205	100	- 45,203	45,203	
Issue: 84612U107 - Sovos Brands Inc Com							
08/07/2023 001050976232	B	3,000.000	22.5500	26	- 67,676	67,676	
Issue: 84612U107 - Sovos Brands Inc Com							
08/14/2023 001050976232	B	7,000.000	22.5579	35	- 157,940	157,940	
Issue: 809087109 - Sciplay Corp Cl A							
08/15/2023 001050976232	B	10,000.000	22.6687	50	- 226,737	226,737	
Issue: 879512309 - Telesat Corp Cl A Cl B Shs							
08/15/2023 001050976232	S	- 1,000.000	15.4032	20	15,383	18,349	- 2,965
Issue: 879512309 - Telesat Corp Cl A Cl B Shs							
08/21/2023 001050976232	S	- 1,000.000	17.5215	20	17,501	18,349	- 847

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 911684108 - US Cellular Corp							
08/28/2023 001050976232	S	- 800.000	40.6884	24	32,526	30,060	2,467
Issue: 949746101 - Wells Fargo Co New Com							
08/28/2023 001050976232	S	- 1,200.000	41.4900	36	49,752	46,337	3,415
Issue: 809087109 - Sciplay Corp Cl A							
08/28/2023 001050976232	B	5,000.000	22.7200	25	- 113,625	113,625	
Issue: 29355X107 - Enpro Inc							
08/28/2023 001050976232	S	- 500.000	132.6029	16	66,286	32,741	33,545
Issue: 84612U107 - Sovos Brands Inc Com							
08/30/2023 001050976232	B	5,000.000	22.4670	25	- 112,360	112,360	
Issue: 071813109 - Baxter International Inc							
09/14/2023 001050976232	B	2,000.000	39.0943	60	- 78,249	78,249	
Issue: 40049J206 - Grupo Televisa Sa Spon A D R							
09/14/2023 001050976232	B	3,000.000	3.5107	60	- 10,592	10,592	
Issue: 44109J106 - Hostess Brands Inc							
09/14/2023 001050976232	B	2,000.000	33.4107	13	- 66,834	66,834	
Issue: 931427108 - Walgreens Boots Alliance Inc Com							
09/14/2023 001050976232	B	2,000.000	22.1797	40	- 44,399	44,399	
Issue: 095306106 - Blue Bird Corp							
09/14/2023 001050976232	B	2,000.000	20.9073	40	- 41,855	41,855	
Issue: 92857W308 - Vodafone Group Plc A D R							
09/14/2023 001050976232	B	8,376.000	9.9558	168	- 83,557	83,557	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 942749102 - Watts Water Technologies Cl A							
09/18/2023 001050976232	S	- 100.000	178.2800	3	17,825	1,900	15,925
Issue: 398433102 - Griffon Corp							
09/18/2023 001050976232	S	- 900.000	39.4900	27	35,514	7,997	27,517
Issue: 949746101 - Wells Fargo Co New Com							
09/18/2023 001050976232	S	- 2,000.000	43.0420	61	86,023	77,228	8,795
Issue: 03743Q108 - Apa Corporation Com							
09/18/2023 001050976232	S	- 400.000	42.8800	12	17,140	13,361	3,779
Issue: 75615P103 - Reata Pharmaceuticals Inc							
09/18/2023 001050976232	B	1,000.000	172.0000	12	- 172,012	172,012	
Issue: 095306106 - Blue Bird Corp							
09/19/2023 001050976232	B	600.000	19.1752	12	- 11,517	11,517	
Issue: 024013104 - American Assets Trust Inc							
09/19/2023 001050976232	S	- 300.000	20.5000	9	6,141	8,724	- 2,583
Issue: 92556H107 - Paramount Global Cl A Ord							
09/20/2023 001050976232	B	1,200.000	16.8622	24	- 20,259	20,259	
Issue: 025816109 - American Express Co							
10/03/2023 001050976232	S	- 200.000	147.8562	6	29,565	5,997	23,568
Issue: 115637100 - Brown Forman Corp							
10/03/2023 001050976232	S	- 200.000	57.8900	6	11,572	2,632	8,940
Issue: 929160109 - Vulcan Matls Co Com							
10/03/2023 001050976232	S	- 200.000	200.1252	6	40,019	9,124	30,895

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 398433102 - Griffon Corp							
10/03/2023 001050976232	S	- 600.000	39.3650	18	23,601	5,331	18,270
Issue: 257651109 - Donaldson Co Inc							
10/03/2023 001050976232	S	- 200.000	59.4500	6	11,884	1,181	10,703
Issue: 40049J206 - Grupo Televisa Sa Spon A D R							
10/03/2023 001050976232	S	- 500.000	3.0071	10	1,494	4,970	- 3,477
Issue: 483548103 - Kaman Corp							
10/03/2023 001050976232	S	- 500.000	19.3967	15	9,683	15,721	- 6,038
Issue: 35671D857 - Freeport McMoran Inc							
10/03/2023 001050976232	S	- 400.000	36.1700	12	14,456	6,349	8,106
Issue: 384109104 - Graco Inc							
10/03/2023 001050976232	S	- 200.000	72.4867	6	14,491	4,051	10,440
Issue: 617446448 - Morgan Stanley Com New							
10/03/2023 001050976232	S	- 100.000	78.9600	3	7,893	2,920	4,973
Issue: 031100100 - Ametek Inc							
10/03/2023 001050976232	S	- 250.000	147.2325	8	36,800	582	36,219
Issue: 879433829 - Telephone And Data Systems Inc							
10/03/2023 001050976232	S	- 500.000	17.4800	15	8,725	6,310	2,415
Issue: 949746101 - Wells Fargo Co New Com							
10/03/2023 001050976232	S	- 400.000	39.4000	12	15,748	15,446	302
Issue: 44891N208 - Iac Inc							
10/03/2023 001050976232	S	- 100.000	49.9000	12	4,978	134	4,844

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 29272W109 - Energizer Hldgs Inc							
10/03/2023 001050976232	S	- 200.000	31.2400	6	6,242	7,279	- 1,037
Issue: 28035Q102 - Edgewell Personal Care Co							
10/03/2023 001050976232	S	- 200.000	36.4700	6	7,288	7,614	- 326
Issue: 149568107 - Cavco Industrial Inc							
10/03/2023 001050976232	S	- 100.000	262.0000	12	26,188	1,976	24,211
Issue: 00164V103 - Amc Networks Inc A W I							
10/03/2023 001050976232	S	- 300.000	11.3230	12	3,385	6,217	- 2,832
Issue: 42704L104 - Herc Holdings Inc							
10/03/2023 001050976232	S	- 200.000	113.4200	6	22,678	6,621	16,056
Issue: 44109J106 - Hostess Brands Inc							
10/06/2023 001050976232	S	- 2,000.000	33.0675	13	66,122	66,834	- 712
Issue: 00751Y106 - Advance Auto Parts Inc							
10/06/2023 001050976232	B	400.000	52.4120	12	- 20,977	20,977	
Issue: 42726M106 - Heritage Crystal Clean Inc							
10/06/2023 001050976232	B	1,500.000	45.4028	12	- 68,116	68,116	
Issue: 071734107 - Bausch Health Cos Inc							
10/09/2023 001050976232	S	- 4,000.000	7.6676	120	30,550	56,597	- 26,047
Issue: 05351W103 - Avangrid Inc							
10/09/2023 001050976232	S	- 200.000	29.4856	6	5,891	9,029	- 3,138
Issue: 894650100 - Tredegar Corp							
10/10/2023 001050976232	B	1,500.000	5.3612	45	- 8,087	8,087	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 40049J206 - Grupo Televisa Sa Spon A D R							
10/10/2023 001050976232	B	2,500.000	2.9508	50	- 7,427	7,427	
Issue: 577128101 - Matthews Intl Corp Cl A							
10/10/2023 001050976232	S	- 500.000	40.0805	12	20,028	13,256	6,772
Issue: 071734107 - Bausch Health Cos Inc							
10/10/2023 001050976232	S	- 2,000.000	7.6905	60	15,321	28,299	- 12,978
Issue: 25243Q205 - Diageo Plc Sponsored A D R							
10/10/2023 001050976232	S	- 300.000	153.3648	9	46,000	17,869	28,131
Issue: 879433829 - Telephone And Data Systems Inc							
10/10/2023 001050976232	S	- 500.000	17.7844	15	8,877	6,310	2,567
Issue: 92556H107 - Paramount Global Cl A Ord							
10/10/2023 001050976232	B	1,000.000	15.2162	20	- 15,236	15,236	
Issue: 29355X107 - Enpro Inc							
10/10/2023 001050976232	S	- 400.000	124.2136	12	49,673	26,193	23,480
Issue: 278768106 - Echostar Corp A							
10/10/2023 001050976232	B	1,000.000	14.9140	20	- 14,934	14,934	
Issue: 25470M109 - Dish Network Corp Cl A							
10/10/2023 001050976232	S	- 2,000.000	5.1601	40	10,280	36,832	- 26,552
Issue: 526057302 - Lennar Corp Cl B							
10/10/2023 001050976232	S	- 400.000	105.8151	12	42,314	15,246	27,067
Issue: 149568107 - Cavco Industrial Inc							
10/10/2023 001050976232	S	- 100.000	273.0000	12	27,288	1,976	25,311

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 172967424 - Citigroup Inc							
10/10/2023 001050976232	B	1,000.000	41.4105	30	- 41,441	41,441	
Issue: 45073V108 - Itt Corp New							
10/10/2023 001050976232	S	- 200.000	99.6329	6	19,920	5,734	14,186
Issue: 398433102 - Griffon Corp							
10/11/2023 001050976232	S	- 400.000	40.5800	12	16,220	3,554	12,666
Issue: 879433829 - Telephone And Data Systems Inc							
10/11/2023 001050976232	S	- 500.000	18.0617	15	9,016	6,310	2,706
Issue: 40049J206 - Grupo Televisa Sa Spon A D R							
10/16/2023 001050976232	B	5,000.000	2.8100	100	- 14,150	14,150	
Issue: 809087109 - Sciplay Corp Cl A							
10/16/2023 001050976232	S	- 5,000.000	22.8977	26	114,463	113,454	1,009
Issue: 69349H107 - Pnm Resources Inc							
10/16/2023 001050976232	S	- 300.000	44.2400	9	13,263	8,225	5,038
Issue: L6388F110 - Millicom Intl Cellular Sa							
10/16/2023 001050976232	S	- 500.000	15.5700	12	7,773	13,589	- 5,816
Issue: 058498106 - Ball Corp							
10/18/2023 001050976232	B	1,000.000	45.0900	30	- 45,120	45,120	
Issue: 894650100 - Tredegar Corp							
10/18/2023 001050976232	B	500.000	5.2636	15	- 2,647	2,647	
Issue: 40049J206 - Grupo Televisa Sa Spon A D R							
10/18/2023 001050976232	B	5,000.000	2.6161	100	- 13,181	13,181	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 384109104 - Graco Inc							
10/18/2023 001050976232	S	- 500.000	71.9732	15	35,971	10,128	25,844
Issue: 92556H107 - Paramount Global Cl A Ord							
10/18/2023 001050976232	B	500.000	15.3998	12	- 7,712	7,712	
Issue: 25470M109 - Dish Network Corp Cl A							
10/18/2023 001050976232	B	1,500.000	4.9631	30	- 7,475	7,475	
Issue: 05351W103 - Avangrid Inc							
10/18/2023 001050976232	B	500.000	31.0186	15	- 15,524	15,524	
Issue: 095306106 - Blue Bird Corp							
11/27/2023 001050976232	B	400.000	18.1800	12	- 7,284	7,284	
Issue: 149568107 - Cavco Industrial Inc							
11/27/2023 001050976232	S	- 50.000	279.0000	12	13,938	988	12,950
Issue: 05351W103 - Avangrid Inc							
11/30/2023 001050976232	S	- 500.000	30.9426	15	15,456	21,397	- 5,941
Issue: 34354P105 - Flowserve Corp							
12/07/2023 001050976232	S	- 500.000	38.4138	15	19,192	3,068	16,123
Issue: 760759100 - Republic Svcs Inc							
12/07/2023 001050976232	S	- 200.000	162.4000	6	32,474	3,823	28,651
Issue: 23636T100 - Danone Spon A D R							
12/07/2023 001050976232	S	- 1,500.000	12.7759	30	19,134	16,047	3,086
Issue: 78377T107 - Ryman Hospitality Properties							
12/07/2023 001050976232	S	- 300.000	103.3234	9	30,988	7,075	23,913

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 526057302 - Lennar Corp Cl B							
12/07/2023 001050976232	S	- 200.000	125.0365	6	25,001	7,623	17,378
Issue: 149568107 - Cavco Industrial Inc							
12/07/2023 001050976232	S	- 100.000	303.0503	12	30,293	1,976	28,316
Issue: 98419M100 - Xylem Inc Com							
12/07/2023 001050976232	S	- 200.000	106.0300	6	21,200	5,910	15,290
Issue: 883203101 - Textron Inc							
12/11/2023 001050976232	S	- 200.000	76.7118	6	15,336	8,064	7,272
Issue: 55616P104 - MacYs Inc							
12/11/2023 001050976232	B	1,000.000	21.1850	30	- 21,215	21,215	
Issue: 92857W308 - Vodafone Group Plc A D R							
12/11/2023 001050976232	B	1,624.000	8.7000	32	- 14,161	14,161	
Issue: 398433102 - Griffon Corp							
12/19/2023 001050976232	S	- 500.000	57.1060	15	28,538	4,443	24,095
Issue: 384109104 - Graco Inc							
12/19/2023 001050976232	S	- 300.000	85.7400	9	25,713	6,077	19,636
Issue: 29355X107 - Enpro Inc							
12/19/2023 001050976232	S	- 200.000	151.7842	6	30,351	13,097	17,254
Issue: 717081103 - Pfizer Inc							
12/20/2023 001050976232	B	5,000.000	27.9448	150	- 139,874	139,874	
Issue: 40049J206 - Grupo Televisa Sa Spon A D R							
12/20/2023 001050976232	B	5,000.000	3.3091	100	- 16,646	16,646	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Issue: 29355X107 - Enpro Inc							
12/20/2023 001050976232	S	- 200.000	154.0296	6	30,800	13,097	17,703
Total For Gabelli & Company, Inc.				**7,359**	**10,325,557**	**7,342,554**	**2,983,008**
GRAND TOTAL				**7,359**	**17,563,459**	**12,180,472**	**5,382,992**

CATEGORY 3 - SERIES OF TRANSACTIONS IN SAME SECURITY EXCEEDS 5% OF VALUE

Issue: 31846V567 - First Am Govt Ob Fd Cl Z						
12/14/2023 001050976230	B	1,808,581.140	1.0000		- 1,808,581	1,808,581
12/14/2023 001050976231	B	405,931.970	1.0000		- 405,932	405,932
12/14/2023 001050976232	B	307,664.090	1.0000		- 307,664	307,664
12/14/2023 001050976233	B	1,196,951.630	1.0000		- 1,196,952	1,196,952
12/15/2023 001050976232	B	9,269.000	1.0000		- 9,269	9,269
12/15/2023 001050976233	B	171.790	1.0000		- 172	172
12/18/2023 001050976230	B	1,500,000.000	1.0000		- 1,500,000	1,500,000
12/19/2023 001050976232	B	231.000	1.0000		- 231	231
12/20/2023 001050976232	B	625.000	1.0000		- 625	625

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
12/21/2023 001050976232	B	84,865.150	1.0000		- 84,865	84,865	
12/26/2023 001050976230	B	54,848.250	1.0000		- 54,848	54,848	
12/26/2023 001050976232	B	4,301.000	1.0000		- 4,301	4,301	
12/27/2023 001050976232	B	400.000	1.0000		- 400	400	
12/29/2023 001050976231	B	364.650	1.0000		- 365	365	
12/29/2023 001050976232	B	3,835.500	1.0000		- 3,836	3,836	
12/29/2023 001050976233	B	80.170	1.0000		- 80	80	
Total For Buys				**0**	**5,378,121**	**5,378,121**	**0**
12/15/2023 001050976233	S	- 171.790	1.0000		172	172	
12/19/2023 001050976231	S	- 84,000.000	1.0000		84,000	84,000	
12/20/2023 001050976233	S	- 42,453.000	1.0000		42,453	42,453	
12/22/2023 001050976232	S	- 125,532.330	1.0000		125,532	125,532	
Total For Sells				**0**	**252,157**	**252,157**	**0**

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Total First Am Govt Ob Fd Cl Z				**0**	**5,630,278**	**5,630,278**	**0**
Issue: 31846V807 - First Am Treas Ob Fd Cl Y							
01/03/2023 001050976232	B	22,552.250	1.0000		- 22,552	22,552	
01/03/2023 001050976233	B	369.530	1.0000		- 370	370	
01/04/2023 001050976230	B	13,311.180	1.0000		- 13,311	13,311	
01/04/2023 001050976231	B	2,212.280	1.0000		- 2,212	2,212	
01/04/2023 001050976232	B	2,651.200	1.0000		- 2,651	2,651	
01/04/2023 001050976233	B	600.190	1.0000		- 600	600	
01/06/2023 001050976233	B	325,000.000	1.0000		- 325,000	325,000	
01/12/2023 001050976232	B	2,500.000	1.0000		- 2,500	2,500	
01/13/2023 001050976232	B	15,960.000	1.0000		- 15,960	15,960	
01/13/2023 001050976232	B	16,535.000	1.0000		- 16,535	16,535	
01/17/2023 001050976232	B	1,980.000	1.0000		- 1,980	1,980	
01/17/2023 001050976233	B	222.960	1.0000		- 223	223	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
01/18/2023 001050976232	B	1,029.270	1.0000		- 1,029	1,029	
01/25/2023 001050976233	B	100.000	1.0000		- 100	100	
01/27/2023 001050976232	B	180.000	1.0000		- 180	180	
01/27/2023 001050976233	B	1,478.120	1.0000		- 1,478	1,478	
01/30/2023 001050976230	B	1,500,000.000	1.0000		- 1,500,000	1,500,000	
01/30/2023 001050976232	B	888.000	1.0000		- 888	888	
01/31/2023 001050976232	B	1,220.000	1.0000		- 1,220	1,220	
02/01/2023 001050976232	B	5,113.000	1.0000		- 5,113	5,113	
02/01/2023 001050976233	B	325,000.000	1.0000		- 325,000	325,000	
02/02/2023 001050976230	B	14,977.000	1.0000		- 14,977	14,977	
02/02/2023 001050976231	B	2,362.160	1.0000		- 2,362	2,362	
02/02/2023 001050976233	B	1,342.190	1.0000		- 1,342	1,342	
02/06/2023 001050976232	B	161,883.290	1.0000		- 161,883	161,883	
02/07/2023 001050976232	B	85,514.840	1.0000		- 85,515	85,515	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
02/07/2023 001050976233	B	174.170	1.0000		- 174	174	
02/08/2023 001050976232	B	31,856.290	1.0000		- 31,856	31,856	
02/09/2023 001050976233	B	257.170	1.0000		- 257	257	
02/10/2023 001050976232	B	3,210.000	1.0000		- 3,210	3,210	
02/15/2023 001050976232	B	2,628.350	1.0000		- 2,628	2,628	
02/17/2023 001050976232	B	1,102.500	1.0000		- 1,103	1,103	
02/17/2023 001050976232	B	21,120.000	1.0000		- 21,120	21,120	
02/17/2023 001050976233	B	107.240	1.0000		- 107	107	
02/21/2023 001050976232	B	1,631.000	1.0000		- 1,631	1,631	
02/21/2023 001050976233	B	563.860	1.0000		- 564	564	
02/22/2023 001050976232	B	500.000	1.0000		- 500	500	
02/23/2023 001050976232	B	90,000.000	1.0000		- 90,000	90,000	
02/27/2023 001050976232	B	78,627.940	1.0000		- 78,628	78,628	
02/28/2023 001050976233	B	80.170	1.0000		- 80	80	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
03/01/2023 001050976232	B	597,967.880	1.0000		- 597,968	597,968	
03/01/2023 001050976233	B	315,127.600	1.0000		- 315,128	315,128	
03/02/2023 001050976230	B	17,946.850	1.0000		- 17,947	17,947	
03/02/2023 001050976231	B	2,271.230	1.0000		- 2,271	2,271	
03/02/2023 001050976232	B	303,480.150	1.0000		- 303,480	303,480	
03/02/2023 001050976233	B	1,138.150	1.0000		- 1,138	1,138	
03/03/2023 001050976232	B	220,260.330	1.0000		- 220,260	220,260	
03/06/2023 001050976232	B	69,522.340	1.0000		- 69,522	69,522	
03/08/2023 001050976232	B	1,175.000	1.0000		- 1,175	1,175	
03/09/2023 001050976232	B	5,060.000	1.0000		- 5,060	5,060	
03/10/2023 001050976232	B	1,695.000	1.0000		- 1,695	1,695	
03/13/2023 001050976233	B	77.140	1.0000		- 77	77	
03/15/2023 001050976232	B	255,017.490	1.0000		- 255,017	255,017	
03/15/2023 001050976233	B	1,933.100	1.0000		- 1,933	1,933	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
03/16/2023 001050976232	B	2,550.000	1.0000		- 2,550	2,550	
03/17/2023 001050976232	B	4,125.000	1.0000		- 4,125	4,125	
03/17/2023 001050976233	B	254.070	1.0000		- 254	254	
03/20/2023 001050976232	B	1,290.000	1.0000		- 1,290	1,290	
03/22/2023 001050976232	B	429.000	1.0000		- 429	429	
03/23/2023 001050976232	B	14,788.890	1.0000		- 14,789	14,789	
03/24/2023 001050976232	B	850.000	1.0000		- 850	850	
03/29/2023 001050976232	B	3,149.750	1.0000		- 3,150	3,150	
03/31/2023 001050976232	B	8,085.000	1.0000		- 8,085	8,085	
03/31/2023 001050976232	B	7,688.950	1.0000		- 7,689	7,689	
04/03/2023 001050976232	B	33,816.470	1.0000		- 33,816	33,816	
04/03/2023 001050976233	B	325,200.000	1.0000		- 325,200	325,200	
04/04/2023 001050976230	B	18,139.500	1.0000		- 18,140	18,140	
04/04/2023 001050976231	B	2,575.570	1.0000		- 2,576	2,576	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
04/04/2023 001050976232	B	43,363.240	1.0000		- 43,363	43,363	
04/04/2023 001050976233	B	1,636.170	1.0000		- 1,636	1,636	
04/05/2023 001050976232	B	1,350.000	1.0000		- 1,350	1,350	
04/05/2023 001050976232	B	22.630	1.0000		- 23	23	
04/13/2023 001050976232	B	8,425.000	1.0000		- 8,425	8,425	
04/14/2023 001050976232	B	98,349.190	1.0000		- 98,349	98,349	
04/17/2023 001050976230	B	380,728.530	1.0000		- 380,729	380,729	
04/17/2023 001050976232	B	1,350.000	1.0000		- 1,350	1,350	
04/17/2023 001050976232	B	2,522.050	1.0000		- 2,522	2,522	
04/18/2023 001050976232	B	3,830.440	1.0000		- 3,830	3,830	
04/27/2023 001050976232	B	22,551.100	1.0000		- 22,551	22,551	
04/27/2023 001050976233	B	100.000	1.0000		- 100	100	
04/28/2023 001050976232	B	546,481.670	1.0000		- 546,482	546,482	
04/28/2023 001050976232	B	280,000.000	1.0000		- 280,000	280,000	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
04/28/2023 001050976233	B	767.210	1.0000		- 767	767	
05/01/2023 001050976232	B	6,207.400	1.0000		- 6,207	6,207	
05/01/2023 001050976233	B	325,000.000	1.0000		- 325,000	325,000	
05/02/2023 001050976230	B	17,338.200	1.0000		- 17,338	17,338	
05/02/2023 001050976231	B	2,609.360	1.0000		- 2,609	2,609	
05/02/2023 001050976232	B	765.670	1.0000		- 766	766	
05/02/2023 001050976233	B	2,064.180	1.0000		- 2,064	2,064	
05/03/2023 001050976232	B	1,292.500	1.0000		- 1,293	1,293	
05/03/2023 001050976232	B	8,557.250	1.0000		- 8,557	8,557	
05/04/2023 001050976232	B	35.790	1.0000		- 36	36	
05/05/2023 001050976232	B	3,000.000	1.0000		- 3,000	3,000	
05/10/2023 001050976232	B	3,307.500	1.0000		- 3,308	3,308	
05/11/2023 001050976232	B	9,250.000	1.0000		- 9,250	9,250	
05/11/2023 001050976232	B	15,081.550	1.0000		- 15,082	15,082	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
05/12/2023 001050976232	B	115,757.930	1.0000		- 115,758	115,758	
05/15/2023 001050976232	B	2,628.350	1.0000		- 2,628	2,628	
05/15/2023 001050976232	B	25,800.000	1.0000		- 25,800	25,800	
05/19/2023 001050976232	B	13,000.000	1.0000		- 13,000	13,000	
05/19/2023 001050976232	B	897.940	1.0000		- 898	898	
05/19/2023 001050976233	B	276.450	1.0000		- 276	276	
05/22/2023 001050976232	B	2,283.270	1.0000		- 2,283	2,283	
05/22/2023 001050976232	B	102.110	1.0000		- 102	102	
05/22/2023 001050976233	B	182.150	1.0000		- 182	182	
05/30/2023 001050976232	B	405.000	1.0000		- 405	405	
05/31/2023 001050976232	B	179,643.470	1.0000		- 179,643	179,643	
05/31/2023 001050976233	B	100.000	1.0000		- 100	100	
06/01/2023 001050976232	B	2,004.250	1.0000		- 2,004	2,004	
06/01/2023 001050976233	B	169,653.800	1.0000		- 169,654	169,654	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
06/02/2023 001050976230	B	17,462.450	1.0000		- 17,462	17,462	
06/02/2023 001050976231	B	2,848.680	1.0000		- 2,849	2,849	
06/02/2023 001050976232	B	4,167.480	1.0000		- 4,167	4,167	
06/02/2023 001050976233	B	2,379.630	1.0000		- 2,380	2,380	
06/07/2023 001050976232	B	180.000	1.0000		- 180	180	
06/08/2023 001050976232	B	536.000	1.0000		- 536	536	
06/08/2023 001050976233	B	150.440	1.0000		- 150	150	
06/09/2023 001050976232	B	6,509.000	1.0000		- 6,509	6,509	
06/12/2023 001050976232	B	9,708.800	1.0000		- 9,709	9,709	
06/13/2023 001050976232	B	2,550.000	1.0000		- 2,550	2,550	
06/14/2023 001050976232	B	1,422.000	1.0000		- 1,422	1,422	
06/15/2023 001050976232	B	6,985.500	1.0000		- 6,986	6,986	
06/15/2023 001050976232	B	2.380	1.0000		- 2	2	
06/16/2023 001050976232	B	62,312.650	1.0000		- 62,313	62,313	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
06/16/2023 001050976232	B	64,500.000	1.0000		- 64,500	64,500	
06/20/2023 001050976232	B	120,000.000	1.0000		- 120,000	120,000	
06/21/2023 001050976232	B	4,005.950	1.0000		- 4,006	4,006	
06/23/2023 001050976232	B	867.000	1.0000		- 867	867	
06/23/2023 001050976233	B	201.620	1.0000		- 202	202	
06/26/2023 001050976233	B	3,002.000	1.0000		- 3,002	3,002	
06/27/2023 001050976233	B	687.040	1.0000		- 687	687	
06/28/2023 001050976232	B	52,624.490	1.0000		- 52,624	52,624	
06/29/2023 001050976232	B	1,376.330	1.0000		- 1,376	1,376	
06/30/2023 001050976232	B	13,769.600	1.0000		- 13,770	13,770	
06/30/2023 001050976232	B	241,200.000	1.0000		- 241,200	241,200	
06/30/2023 001050976233	B	80.170	1.0000		- 80	80	
07/03/2023 001050976233	B	170,115.160	1.0000		- 170,115	170,115	
07/03/2023 001050976233	B	343.520	1.0000		- 344	344	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
07/05/2023 001050976230	B	16,126.030	1.0000		- 16,126	16,126	
07/05/2023 001050976231	B	2,295.640	1.0000		- 2,296	2,296	
07/05/2023 001050976232	B	3,152.150	1.0000		- 3,152	3,152	
07/05/2023 001050976233	B	2,758.290	1.0000		- 2,758	2,758	
07/06/2023 001050976232	B	1,350.000	1.0000		- 1,350	1,350	
07/07/2023 001050976232	B	1,340.000	1.0000		- 1,340	1,340	
07/11/2023 001050976232	B	847.280	1.0000		- 847	847	
07/13/2023 001050976232	B	8,365.000	1.0000		- 8,365	8,365	
07/14/2023 001050976232	B	7,832.000	1.0000		- 7,832	7,832	
07/14/2023 001050976232	B	1,480.000	1.0000		- 1,480	1,480	
07/17/2023 001050976232	B	241,454.150	1.0000		- 241,454	241,454	
07/17/2023 001050976232	B	1,099.870	1.0000		- 1,100	1,100	
07/19/2023 001050976232	B	167,630.260	1.0000		- 167,630	167,630	
07/21/2023 001050976232	B	1,687.500	1.0000		- 1,688	1,688	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
07/27/2023 001050976232	B	74,163.910	1.0000		- 74,164	74,164	
07/28/2023 001050976232	B	727.000	1.0000		- 727	727	
07/31/2023 001050976231	B	703.940	1.0000		- 704	704	
07/31/2023 001050976232	B	2,034.000	1.0000		- 2,034	2,034	
07/31/2023 001050976232	B	2,254.700	1.0000		- 2,255	2,255	
07/31/2023 001050976233	B	160.340	1.0000		- 160	160	
08/01/2023 001050976232	B	549,215.000	1.0000		- 549,215	549,215	
08/01/2023 001050976233	B	171,410.820	1.0000		- 171,411	171,411	
08/02/2023 001050976230	B	15,963.640	1.0000		- 15,964	15,964	
08/02/2023 001050976231	B	2,109.860	1.0000		- 2,110	2,110	
08/02/2023 001050976232	B	68,713.560	1.0000		- 68,714	68,714	
08/02/2023 001050976233	B	3,407.260	1.0000		- 3,407	3,407	
08/03/2023 001050976233	B	500,000.000	1.0000		- 500,000	500,000	
08/04/2023 001050976232	B	2,634.440	1.0000		- 2,634	2,634	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
08/07/2023 001050976232	B	3,100.000	1.0000		- 3,100	3,100	
08/08/2023 001050976232	B	1,125.000	1.0000		- 1,125	1,125	
08/10/2023 001050976230	B	1,274,909.500	1.0000		- 1,274,910	1,274,910	
08/10/2023 001050976232	B	12,120.000	1.0000		- 12,120	12,120	
08/10/2023 001050976232	B	288,000.000	1.0000		- 288,000	288,000	
08/11/2023 001050976233	B	251.600	1.0000		- 252	252	
08/14/2023 001050976232	B	120,000.000	1.0000		- 120,000	120,000	
08/15/2023 001050976232	B	2,778.350	1.0000		- 2,778	2,778	
08/15/2023 001050976233	B	360.900	1.0000		- 361	361	
08/21/2023 001050976232	B	1,631.000	1.0000		- 1,631	1,631	
08/22/2023 001050976232	B	500.000	1.0000		- 500	500	
08/23/2023 001050976232	B	17,501.360	1.0000		- 17,501	17,501	
08/24/2023 001050976233	B	500,000.000	1.0000		- 500,000	500,000	
08/25/2023 001050976232	B	551.250	1.0000		- 551	551	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
08/28/2023 001050976232	B	405.000	1.0000		- 405	405	
08/30/2023 001050976232	B	35,613.960	1.0000		- 35,614	35,614	
08/31/2023 001050976231	B	163.360	1.0000		- 163	163	
08/31/2023 001050976232	B	16,951.240	1.0000		- 16,951	16,951	
08/31/2023 001050976233	B	80.170	1.0000		- 80	80	
09/01/2023 001050976233	B	171,052.730	1.0000		- 171,053	171,053	
09/05/2023 001050976230	B	19,894.620	1.0000		- 19,895	19,895	
09/05/2023 001050976231	B	2,057.910	1.0000		- 2,058	2,058	
09/05/2023 001050976232	B	74,082.330	1.0000		- 74,082	74,082	
09/05/2023 001050976233	B	4,643.530	1.0000		- 4,644	4,644	
09/06/2023 001050976232	B	1,470.000	1.0000		- 1,470	1,470	
09/08/2023 001050976232	B	286.000	1.0000		- 286	286	
09/08/2023 001050976233	B	225.230	1.0000		- 225	225	
09/11/2023 001050976232	B	340.000	1.0000		- 340	340	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
09/13/2023 001050976232	B	1,436.000	1.0000		- 1,436	1,436	
09/14/2023 001050976232	B	675.000	1.0000		- 675	675	
09/14/2023 001050976233	B	100.000	1.0000		- 100	100	
09/15/2023 001050976232	B	11,655.000	1.0000		- 11,655	11,655	
09/25/2023 001050976232	B	11,593.900	1.0000		- 11,594	11,594	
09/27/2023 001050976232	B	3,259.740	1.0000		- 3,260	3,260	
09/28/2023 001050976232	B	231.000	1.0000		- 231	231	
09/29/2023 001050976231	B	163.360	1.0000		- 163	163	
09/29/2023 001050976232	B	3,580.000	1.0000		- 3,580	3,580	
09/29/2023 001050976233	B	6,730.170	1.0000		- 6,730	6,730	
10/02/2023 001050976232	B	16,049.730	1.0000		- 16,050	16,050	
10/03/2023 001050976230	B	19,332.410	1.0000		- 19,332	19,332	
10/03/2023 001050976231	B	1,970.760	1.0000		- 1,971	1,971	
10/03/2023 001050976232	B	39,009.560	1.0000		- 39,010	39,010	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
10/03/2023 001050976233	B	331,781.400	1.0000		- 331,781	331,781	
10/04/2023 001050976232	B	1,350.000	1.0000		- 1,350	1,350	
10/05/2023 001050976232	B	296,688.600	1.0000		- 296,689	296,689	
10/05/2023 001050976233	B	325,000.000	1.0000		- 325,000	325,000	
10/06/2023 001050976232	B	1,340.000	1.0000		- 1,340	1,340	
10/11/2023 001050976232	B	13,470.690	1.0000		- 13,471	13,471	
10/11/2023 001050976232	B	10,588.420	1.0000		- 10,588	10,588	
10/12/2023 001050976232	B	161,391.690	1.0000		- 161,392	161,392	
10/13/2023 001050976232	B	33,351.640	1.0000		- 33,352	33,352	
10/16/2023 001050976232	B	1,800.000	1.0000		- 1,800	1,800	
10/16/2023 001050976232	B	1,065.370	1.0000		- 1,065	1,065	
10/17/2023 001050976232	B	5,957.020	1.0000		- 5,957	5,957	
10/18/2023 001050976232	B	144,624.040	1.0000		- 144,624	144,624	
10/19/2023 001050976232	B	68,250.000	1.0000		- 68,250	68,250	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
10/23/2023 001050976232	B	230,980.000	1.0000		- 230,980	230,980	
10/23/2023 001050976233	B	130.050	1.0000		- 130	130	
10/27/2023 001050976232	B	512.000	1.0000		- 512	512	
10/30/2023 001050976232	B	814.000	1.0000		- 814	814	
10/31/2023 001050976232	B	1,570.000	1.0000		- 1,570	1,570	
11/01/2023 001050976232	B	4,685.000	1.0000		- 4,685	4,685	
11/01/2023 001050976233	B	77.150	1.0000		- 77	77	
11/02/2023 001050976230	B	18,197.520	1.0000		- 18,198	18,198	
11/02/2023 001050976231	B	1,818.880	1.0000		- 1,819	1,819	
11/02/2023 001050976232	B	1,266.940	1.0000		- 1,267	1,267	
11/02/2023 001050976233	B	5,870.500	1.0000		- 5,871	5,871	
11/06/2023 001050976231	B	163.360	1.0000		- 163	163	
11/06/2023 001050976232	B	3,100.000	1.0000		- 3,100	3,100	
11/08/2023 001050976232	B	1,215.000	1.0000		- 1,215	1,215	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
11/09/2023 001050976232	B	10,500.000	1.0000		- 10,500	10,500	
11/10/2023 001050976232	B	1,641.000	1.0000		- 1,641	1,641	
11/13/2023 001050976233	B	129.380	1.0000		- 129	129	
11/14/2023 001050976233	B	348.940	1.0000		- 349	349	
11/15/2023 001050976232	B	2,693.350	1.0000		- 2,693	2,693	
11/15/2023 001050976232	B	318,750.000	1.0000		- 318,750	318,750	
11/17/2023 001050976232	B	924.750	1.0000		- 925	925	
11/20/2023 001050976232	B	384.000	1.0000		- 384	384	
11/22/2023 001050976232	B	930.000	1.0000		- 930	930	
11/28/2023 001050976232	B	1,082.840	1.0000		- 1,083	1,083	
11/29/2023 001050976232	B	7,857.880	1.0000		- 7,858	7,858	
11/30/2023 001050976231	B	163.360	1.0000		- 163	163	
11/30/2023 001050976232	B	1,245.370	1.0000		- 1,245	1,245	
11/30/2023 001050976233	B	423.690	1.0000		- 424	424	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
12/01/2023 001050976232	B	8,880.000	1.0000		- 8,880	8,880	
12/01/2023 001050976233	B	325,000.000	1.0000		- 325,000	325,000	
12/04/2023 001050976230	B	14,799.300	1.0000		- 14,799	14,799	
12/04/2023 001050976231	B	1,649.090	1.0000		- 1,649	1,649	
12/04/2023 001050976232	B	18,736.130	1.0000		- 18,736	18,736	
12/04/2023 001050976233	B	4,361.240	1.0000		- 4,361	4,361	
12/06/2023 001050976232	B	180.000	1.0000		- 180	180	
12/08/2023 001050976232	B	405.000	1.0000		- 405	405	
12/08/2023 001050976233	B	490.080	1.0000		- 490	490	
12/11/2023 001050976232	B	180,150.640	1.0000		- 180,151	180,151	
12/11/2023 001050976233	B	417.790	1.0000		- 418	418	
12/12/2023 001050976232	B	960.000	1.0000		- 960	960	
12/12/2023 001050976232	B	2,535.250	1.0000		- 2,535	2,535	
12/13/2023 001050976233	B	1,269.880	1.0000		- 1,270	1,270	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
12/14/2023 001050976232	B	3,015.000	1.0000		- 3,015	3,015	
Total For Buys				**0**	**15,134,943**	**15,134,943**	**0**
01/03/2023 001050976233	S	- 158,200.580	1.0000		158,201	158,201	
01/05/2023 001050976233	S	- 2,972.000	1.0000		2,972	2,972	
01/06/2023 001050976232	S	- 325,000.000	1.0000		325,000	325,000	
01/11/2023 001050976233	S	- 20,693.000	1.0000		20,693	20,693	
01/17/2023 001050976233	S	- 222.960	1.0000		223	223	
01/23/2023 001050976233	S	- 47,236.000	1.0000		47,236	47,236	
01/24/2023 001050976232	S	- 143,387.200	1.0000		143,387	143,387	
01/26/2023 001050976230	S	- 3,362.630	1.0000		3,363	3,363	
01/26/2023 001050976231	S	- 319.500	1.0000		320	320	
01/26/2023 001050976232	S	- 2,678.630	1.0000		2,679	2,679	
01/26/2023 001050976233	S	- 1,719.360	1.0000		1,719	1,719	
01/27/2023 001050976230	S	- 300,000.000	1.0000		300,000	300,000	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
01/27/2023 001050976233	S	- 1,478.120	1.0000		1,478	1,478	
01/30/2023 001050976233	S	- 37,566.410	1.0000		37,566	37,566	
02/01/2023 001050976232	S	- 80,637.630	1.0000		80,638	80,638	
02/01/2023 001050976233	S	- 157,933.170	1.0000		157,933	157,933	
02/03/2023 001050976233	S	- 64,344.000	1.0000		64,344	64,344	
02/10/2023 001050976233	S	- 174,000.000	1.0000		174,000	174,000	
02/13/2023 001050976232	S	- 197,712.000	1.0000		197,712	197,712	
02/16/2023 001050976233	S	- 4,928.000	1.0000		4,928	4,928	
02/27/2023 001050976230	S	- 500,000.000	1.0000		500,000	500,000	
03/01/2023 001050976232	S	- 325,000.000	1.0000		325,000	325,000	
03/01/2023 001050976233	S	- 158,356.030	1.0000		158,356	158,356	
03/14/2023 001050976232	S	- 45,141.000	1.0000		45,141	45,141	
03/14/2023 001050976232	S	- 500,000.000	1.0000		500,000	500,000	
03/21/2023 001050976232	S	- 41,102.220	1.0000		41,102	41,102	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
03/22/2023 001050976232	S	- 107,347.000	1.0000		107,347	107,347	
03/23/2023 001050976230	S	- 500,000.000	1.0000		500,000	500,000	
03/27/2023 001050976232	S	- 23,552.000	1.0000		23,552	23,552	
04/03/2023 001050976232	S	- 325,000.000	1.0000		325,000	325,000	
04/03/2023 001050976233	S	- 157,558.410	1.0000		157,558	157,558	
04/06/2023 001050976232	S	- 452,200.980	1.0000		452,201	452,201	
04/06/2023 001050976233	S	- 42,823.000	1.0000		42,823	42,823	
04/10/2023 001050976232	S	- 23,871.910	1.0000		23,872	23,872	
04/13/2023 001050976233	S	- 1,000.000	1.0000		1,000	1,000	
04/19/2023 001050976232	S	- 115,851.720	1.0000		115,852	115,852	
04/24/2023 001050976232	S	- 11,459.180	1.0000		11,459	11,459	
04/24/2023 001050976233	S	- 39,070.680	1.0000		39,071	39,071	
04/26/2023 001050976230	S	- 3,360.630	1.0000		3,361	3,361	
04/26/2023 001050976230	S	- 687,221.000	1.0000		687,221	687,221	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
04/26/2023 001050976231	S	- 312.500	1.0000		313	313	
04/26/2023 001050976233	S	- 1,725.690	1.0000		1,726	1,726	
05/01/2023 001050976232	S	- 325,000.000	1.0000		325,000	325,000	
05/01/2023 001050976233	S	- 156,063.210	1.0000		156,063	156,063	
05/04/2023 001050976232	S	- 7,768.000	1.0000		7,768	7,768	
05/08/2023 001050976232	S	- 63,180.000	1.0000		63,180	63,180	
05/11/2023 001050976233	S	- 162,000.000	1.0000		162,000	162,000	
05/16/2023 001050976232	S	- 6,828.000	1.0000		6,828	6,828	
05/17/2023 001050976232	S	- 54,705.000	1.0000		54,705	54,705	
06/01/2023 001050976232	S	- 145,115.520	1.0000		145,116	145,116	
06/05/2023 001050976233	S	- 9,532.720	1.0000		9,533	9,533	
06/09/2023 001050976231	S	- 177,340.000	1.0000		177,340	177,340	
06/13/2023 001050976232	S	- 176,000.000	1.0000		176,000	176,000	
06/14/2023 001050976233	S	- 3,897.000	1.0000		3,897	3,897	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
06/15/2023 001050976230	S	- 500,000.000	1.0000		500,000	500,000	
06/15/2023 001050976233	S	- 200.000	1.0000		200	200	
06/20/2023 001050976232	S	- 14,302.100	1.0000		14,302	14,302	
06/21/2023 001050976232	S	- 96,387.000	1.0000		96,387	96,387	
06/22/2023 001050976232	S	- 190,845.110	1.0000		190,845	190,845	
06/27/2023 001050976233	S	- 343.520	1.0000		344	344	
07/03/2023 001050976232	S	- 360,693.350	1.0000		360,693	360,693	
07/10/2023 001050976233	S	- 1,000.000	1.0000		1,000	1,000	
07/14/2023 001050976231	S	- 45,000.000	1.0000		45,000	45,000	
07/14/2023 001050976233	S	- 27,358.370	1.0000		27,358	27,358	
07/17/2023 001050976233	S	- 2,700.250	1.0000		2,700	2,700	
07/19/2023 001050976233	S	- 967.740	1.0000		968	968	
07/20/2023 001050976233	S	- 33,862.000	1.0000		33,862	33,862	
07/25/2023 001050976232	S	- 214,396.010	1.0000		214,396	214,396	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
07/26/2023 001050976230	S	- 3,400.650	1.0000		3,401	3,401	
07/26/2023 001050976231	S	- 319.500	1.0000		320	320	
07/26/2023 001050976232	S	- 103,531.240	1.0000		103,531	103,531	
07/26/2023 001050976233	S	- 1,795.190	1.0000		1,795	1,795	
08/01/2023 001050976232	S	- 321,430.000	1.0000		321,430	321,430	
08/02/2023 001050976232	S	- 82,416.000	1.0000		82,416	82,416	
08/02/2023 001050976233	S	- 500,000.000	1.0000		500,000	500,000	
08/09/2023 001050976232	S	- 144,642.380	1.0000		144,642	144,642	
08/09/2023 001050976233	S	- 202.150	1.0000		202	202	
08/10/2023 001050976233	S	- 151.600	1.0000		152	152	
08/11/2023 001050976231	S	- 23,143.000	1.0000		23,143	23,143	
08/14/2023 001050976233	S	- 307.200	1.0000		307	307	
08/16/2023 001050976232	S	- 157,940.300	1.0000		157,940	157,940	
08/17/2023 001050976232	S	- 211,353.920	1.0000		211,354	211,354	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
08/23/2023 001050976233	S	- 576.000	1.0000		576	576	
08/24/2023 001050976230	S	- 500,000.000	1.0000		500,000	500,000	
09/01/2023 001050976232	S	- 422,902.500	1.0000		422,903	422,903	
09/08/2023 001050976233	S	- 225.230	1.0000		225	225	
09/18/2023 001050976232	S	- 325,486.330	1.0000		325,486	325,486	
09/20/2023 001050976232	S	- 15,510.270	1.0000		15,510	15,510	
09/21/2023 001050976232	S	- 5,089.950	1.0000		5,090	5,090	
09/21/2023 001050976232	S	- 11,517.120	1.0000		11,517	11,517	
09/22/2023 001050976232	S	- 20,258.640	1.0000		20,259	20,259	
09/27/2023 001050976232	S	- 77,500.000	1.0000		77,500	77,500	
10/02/2023 001050976233	S	- 153,947.270	1.0000		153,947	153,947	
10/03/2023 001050976232	S	- 37,887.870	1.0000		37,888	37,888	
10/03/2023 001050976233	S	- 325,000.000	1.0000		325,000	325,000	
10/04/2023 001050976230	S	- 500,000.000	1.0000		500,000	500,000	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
10/04/2023 001050976233	S	- 60,173.000	1.0000		60,173	60,173	
10/05/2023 001050976232	S	- 325,000.000	1.0000		325,000	325,000	
10/11/2023 001050976233	S	- 521,756.000	1.0000		521,756	521,756	
10/12/2023 001050976231	S	- 84,862.000	1.0000		84,862	84,862	
10/12/2023 001050976233	S	- 17,978.000	1.0000		17,978	17,978	
10/16/2023 001050976233	S	- 945.500	1.0000		946	946	
10/20/2023 001050976232	S	- 55,686.840	1.0000		55,687	55,687	
10/23/2023 001050976233	S	- 130.050	1.0000		130	130	
10/26/2023 001050976230	S	- 3,357.150	1.0000		3,357	3,357	
10/26/2023 001050976231	S	- 326.500	1.0000		327	327	
10/26/2023 001050976232	S	- 1,259.200	1.0000		1,259	1,259	
10/26/2023 001050976233	S	- 1,748.560	1.0000		1,749	1,749	
10/31/2023 001050976233	S	- 5,092.830	1.0000		5,093	5,093	
11/01/2023 001050976233	S	- 153,947.270	1.0000		153,947	153,947	

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
11/20/2023 001050976232	S	- 50,571.000	1.0000		50,571	50,571	
11/20/2023 001050976233	S	- 79,813.390	1.0000		79,813	79,813	
11/21/2023 001050976230	S	- 2,000,000.000	1.0000		2,000,000	2,000,000	
12/01/2023 001050976232	S	- 825,000.000	1.0000		825,000	825,000	
12/01/2023 001050976233	S	- 152,948.030	1.0000		152,948	152,948	
12/11/2023 001050976233	S	- 417.790	1.0000		418	418	
12/13/2023 001050976230	S	- 500,000.000	1.0000		500,000	500,000	
12/13/2023 001050976232	S	- 18,720.050	1.0000		18,720	18,720	
12/13/2023 001050976233	S	- 34.000	1.0000		34	34	
12/14/2023 001050976230	S	- 1,808,581.140	1.0000		1,808,581	1,808,581	
12/14/2023 001050976231	S	- 405,931.970	1.0000		405,932	405,932	
12/14/2023 001050976232	S	- 307,664.090	1.0000		307,664	307,664	
12/14/2023 001050976233	S	- 1,196,951.630	1.0000		1,196,952	1,196,952	
Total For Sells				**0**	**21,087,263**	**21,087,263**	**0**

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
Total First Am Treas Ob Fd Cl Y				**0**	**36,222,206**	**36,222,206**	**0**
Issue: 412295701 - Harding Loevner Ins Emerging Mrkt Fd							
04/14/2023 001050976230	S	- 309,407.872	18.3600		5,680,729 *	4,565,993	1,114,736
Total For Sells				**0**	**5,680,729**	**4,565,993**	**1,114,736**
Issue: 94987W539 - Allspring Emerging Mkts Eqty Fd R6							
04/14/2023 001050976230	B	215,798.046	24.5600		- 5,300,000 *	5,300,000	
Total For Buys				**0**	**5,300,000**	**5,300,000**	**0**
12/20/2023 001050976230	R	2,183.127	24.5400		- 53,574	53,574	
Total For Reinvestments				**0**	**53,574**	**53,574**	**0**
12/15/2023 001050976230	S	- 59,523.810	25.2000		1,500,000	1,461,905	38,095
Total For Sells				**0**	**1,500,000**	**1,461,905**	**38,095**
Total Allspring Emerging Mkts Eqty Fd R6				**0**	**6,853,574**	**6,815,479**	**38,095**
GRAND TOTAL				**0**	**54,386,787**	**53,233,956**	**1,152,831**

FORM 5500 - REPORTABLE TRANSACTION SCHEDULE (continued)

DATE	BOUGHT/ SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS

CATEGORY 4 - SINGLE TRANSACTION WITH ONE BROKER EXCEEDS 5% OF VALUE

NO TRANSACTIONS QUALIFIED FOR THIS SECTION

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 26a
Schedule of Active Participant Data as of January 1, 2023

Attained Age	Years of Credited Service																			
	Under 1		1 to 4		5 to 9		10 to 14		15 to 19		20 to 24		25 to 29		30 to 34		35 to 39		40 & Over	
	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.
Under 25	156	51,678	15		0		0		0		0		0		0		0		0	
25 - 29	147	52,251	46	56,801	7		0		0		0		0		0		0		0	
30 - 34	129	51,235	56	52,229	39	59,710	2		0		0		0		0		0		0	
35 - 39	102	54,136	48	61,104	35	60,859	27	81,693	1		0		0		0		0		0	
40 - 44	103	55,888	71	64,500	39	67,943	52	73,049	2		1		0		0		0		0	
45 - 49	102	54,296	78	64,047	59	68,390	84	78,807	2		5		1		0		0		0	
50 - 54	79	62,000	70	68,137	62	65,154	120	82,699	2		2				3		0		0	
55 - 59	69	56,003	52	69,034	95	71,375	144	83,950	2		6		2		3		0		0	
60 - 64	53	57,890	61	66,447	72	64,003	163	84,521	2		1		2		5		1		1	
65 - 69	20	68,853	19		30	72,143	108	82,716	0		1		0		0		0		0	
70 & Over	1		12		9		39	67,624	0		0		1		0		0		0	

Plan Name: Park Ohio Industries and Subsidiaries Pension Plan
EIN / PN: 34-6520107/002
Plan Sponsor: Park Ohio Industries, Inc.
Valuation Date: January 1, 2023

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 26a

Schedule of Active Participant Data for Cash Balance Plans as of January 1, 2023

Attained Age	Years of Credited Service																			
	Under 1		1 to 4		5 to 9		10 to 14		15 to 19		20 to 24		25 to 29		30 to 34		35 to 39		40 & Over	
	No.	Avg. Bal.	No.	Avg. Bal.	No.	Avg. Bal.	No.	Avg. Bal.	No.	Avg. Bal.	No.	Avg. Bal.	No.	Avg. Bal.	No.	Avg. Bal.	No.	Avg. Bal.	No.	Avg. Bal.
Under 25	156	298	15		0		0		0		0		0		0		0		0	
25 - 29	147	391	46	3,134	7		0		0		0		0		0		0		0	
30 - 34	129	423	56	3,305	39	7,819	2		0		0		0		0		0		0	
35 - 39	102	468	48	3,955	35	8,160	27	18,188	0		0		0		0		0		0	
40 - 44	103	689	70	4,483	39	9,705	52	16,667	0		0		0		0		0		0	
45 - 49	102	498	78	4,813	59	10,120	83	18,563	0		0		0		0		0		0	
50 - 54	79	619	70	4,879	62	9,714	116	21,103	0		0		0		0		0		0	
55 - 59	69	496	52	5,685	95	10,074	143	21,344	0		0		0		0		0		0	
60 - 64	53	556	60	5,098	70	10,528	163	22,866	0		0		0		0		0		0	
65 - 69	20	602	19		30	10,877	108	23,392	0		0		0		0		0		0	
70 & Over	1		11		9		39	20,276	0		0		0		0		0		0	

Plan Name: Park Ohio Industries and Subsidiaries Pension Plan
EIN / PN: 34-6520107/002
Plan Sponsor: Park Ohio Industries, Inc.
Valuation Date: January 1, 2023

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V
Statement of Actuarial Assumptions/Methods

Economic Assumptions

Discount Rate for funding:

Interest rate basis:

■ Applicable month	January 2023
■ Yield curve basis	3-Segment Rates

Interest rates:	Reflecting Stabilization	Not Reflecting Stabilization
■ First segment rate	4.75%	2.13%
■ Second segment rate	5.00%	3.62%
■ Third segment rate	5.74%	3.93%
■ Effective interest rate	5.16%	3.58%

Annual rates of increase:

■ Future increases in social security	N/A
■ Cash Balance Interest Credit Rate	4.00%
■ Compensation increase	3.00%

Future increases in maximum benefits and plan compensation/salary limitations	It is assumed that maximum benefit and plan compensation limitations under the Internal Revenue Code will not increase in the future for funding purposes.
Plan-Related Expenses	The amount included for plan-related expenses in the valuation year equals the amount of administrative expenses paid from the trust in the prior year. Under this assumption, the amount included for 2023 is $739,602.

SCHEDULE SB ATTACHMENTS

Demographic Assumptions

Mortality:

- Healthy mortality rates

For funding purposes:

Base Mortality Table

1. Base table: RP-2014 adjusted to 2006 with MP-2014, sex-distinct
2. Base mortality table year: 2006
3. Table type: No Collar or quartile adjustments
4. Healthy or Disabled: Healthy
5. Table weighting: N/A
6. Blending of annuitants and non-annuitants: Separate rates for annuitants and non-annuitants (based on Employees table)

Mortality Improvement Scale

7. Base scale: Scale MP-2021, sex-distinct
8. Projection Type: Static projection as specified in the regulations under §1.430(h)(3)-1
9. Convergence period: N/A
10. Ultimate mortality improvement rate: N/A
11. Pattern during convergence period: N/A

- Disabled life mortality rates

For funding purposes:

Alternative disabled life mortality tables as defined under Revenue Ruling 96-7.

Retirement

Former Castle Rubber Plan

Assumed retirement age is 55 for deferred vested participants with 20 years of service; age 65 for all others.

Former Metalloy Plan

Age(s)	Reduced Benefits	Unreduced Benefits
55-60	1%	1%
61	7	8
62	13	20
63	14	16
64	2	6
65-69	45	45
70	100	100

SCHEDULE SB ATTACHMENTS

Former Bennett, RB&W Cleveland, RB&W Hourly, and Industrial Fasteners Plans

It was assumed that participants will retire upon becoming eligible for normal retirement.

Cash Balance Plan

Attained Age	Annual Rate of Retirement
60-61	5%
62-64	12
65	18
66-70	25
71 & Older	100

Retirement rates for the cash balance plan are based on an experience study conducted in 2018, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future.

Former Crankshaft Plan

Attained Age	Annual Rate of Retirement
55-59	2%
60	10
61	2
62	50
63	20
64	25
65	90
66 & Older	100

SCHEDULE SB ATTACHMENTS

Former Canton Drop Forge Plan

Percentage retiring during the year			
	Years of Service		
Age	Less than 25	25 – 30	More than 30
55	0%	0%	3%
56	0	0	3
57	0	0	3
58	0	0	5
59	0	0	5
60	2	15	15
61	3	15	15
62	10	35	40
63	5	15	20
64	5	15	20
65	75	75	75
66	50	50	50
67	50	50	50
68	50	50	50
69	50	50	50
70	100	100	100

Disability rates

Former Crankshaft Plan

Wyatt 1985 Disability Study Class 1 male and female rates.

Former Bennett, RB&W Cleveland, RB&W Hourly, Castle Rubber, and Industrial Fasteners Plans

Not applicable.

Cash Balance Plan

Disability incidence is included in the termination assumption.

Former Metalloy Plan

100% of Table S-10 of the 11th Railroad Retirement Board Valuation (modified). Sample rates and ages are as follows:

Age(s)	Rate
25	0.06%
40	0.12%
55	1.07%

SCHEDULE SB ATTACHMENTS

Former Canton Drop Forge Plan

Wyatt 1985 Disability Study, Class 3 male table. Sample rates at which participants become disabled by age are shown below:

Percentage becoming disabled during the year	
Age	Rates
25	0.218%
40	0.597
55	2.118

Termination (not due to disability or retirement) rates

Cash Balance Plan

Society of Actuaries' Combined Select termination table for ages 21 to 59. Termination table rate selection is based on an experience study conducted in 2018 with annual consideration of whether any conditions have changed that would be expected to produce different results in the future. The following rates are illustrative:

Attained Age	Annual Rate of Withdrawal
25	20.69%
30	14.78
35	11.99
40	11.09
45	9.98
50	9.12
55	7.11

SCHEDULE SB ATTACHMENTS

Former Metalloy Plan

Attained Age	Annual Rate of Withdrawal
25	16.47%
35	7.34
40	5.51
45	3.67
55	0.00

Former Industrial Fasteners and Crankshaft Plans

The valuation includes Plan participants only, for whom a moderate rate of withdrawal has been assumed. The following rates are illustrative:

	Annual Rate of Withdrawal	
Attained Age	Males	Females
20	.1495	.2496
25	.0994	.1495
30	.0691	.0994
35	.0488	.0691
40	.0282	.0488
45	.0167	.0282
50	.0040	.0167
55	Nil	.0040

Former Bennett, RB&W Cleveland, RB&W Hourly, and Castle Rubber Plans

Not applicable.

Former Canton Drop Forge Plan

Based on age and years of service. The following rates are illustrative:

Percentage leaving during the year				
	Years of Service			
Attained Age	0	5	10	15+
25	25.22%	8.22%	8.22%	8.00%
35	25.43	5.43	5.43	5.00
40	25.60	4.10	4.10	3.50
45	25.83	2.83	2.83	2.00
55	27.12	2.12	2.12	0.00

SCHEDULE SB ATTACHMENTS

Additional Assumptions

Inclusion date	The valuation date coincident with or next following the date on which the employee is hired. For cash balance participants, covered employees may participate in the Plan after attaining age 21 and 30 days of Eligibility Service.
Form of payment	For valuation purposes, participants from the various former plans are assumed to elect the normal form, which is a single-life annuity. Participants in the cash balance plan are assumed to elect the lump sum form.
Marriage	For purposes of valuing the pre-retirement surviving spouse's benefit, 85% of eligible male participants are assumed to be married and 50% of eligible female participants are assumed to be married (60% of males and 40% of females for the former Pension Plan for Certain Hourly-Rate Employees of Canton Drop Forge). Male participants are assumed to be three years older than their spouses and female participants are assumed to be three years younger than their spouses. For the cash balance plan, all pre-retirement deaths are assumed to result in a lump sum payment.
Employees	It was assumed that there will be no new or rehired employees.
Benefit commencement date:	
■ Retirement benefit	Those benefiting under the cash balance formula: ■ For actives under 60, 60% receive their benefit as a lump sum immediately upon termination, the remaining 40% defer their lump sum benefit to age 65 ■ For actives over 60, 100% receive their benefit as a lump sum immediately upon termination. Benefit commencement timing for the cash balance plan is based on an experience study conducted in 2018, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future. All other participants are assumed to commence their benefit upon retirement.

SCHEDULE SB ATTACHMENTS

■ Deferred vested benefit	Current deferred vested participants with a cash balance benefit are assumed to defer commencement until age 65. All other participants are assumed to defer payment until the later of age 65 or termination of employment.
■ Preretirement death benefit	For the Former Pension Plan for Certain Hourly-Rate Employees of Canton Drop Forge, the later of the death of the active participant or the date the participant would have attained age 65
■ Disability benefit	Upon disablement
Timing of benefit payments	Annuity payments are payable monthly at the beginning of the month and lump sum payments are payable on the date of decrement.
Decrement Timing Model	Rounded Middle of Year – All decrements are assumed to occur at the middle of the year to approximate the pattern of decrements that occur throughout the year. In addition, eligibility for benefits, commencement and cessation of benefits, and other commencement factors will reflect the middle of the year timing.
Amount and timing of contributions	Contributions are assumed to be made on the last day required to meet quarterly and minimum funding requirements.

Methods

Census date/measurement date	The measurement date is January 1, 2023. For purposes of determining benefit obligations as of the measurement date, participant data as of the census date, January 1, 2023, are used.
Funding target	Present value of accrued benefits.
Target Normal Cost	Present value of benefits expected to accrue during the plan year plus plan-related expenses expected to be paid from plan assets during the plan year.
Asset method	For funding purposes, the average of the fair market value of assets on the valuation date and 12 and 24 months preceding the valuation date, adjusted for contributions, benefits, administrative expenses and expected earnings 7.75% for both 2021 and 2022 (with such expected earnings limited as described in IRS Notice 2009-22, equivalent to

	6.11% for 2021 and 5.92% for 2022). The average asset value must be within 10% of market value, including discounted contributions receivables (discounted using the effective interest rate for the prior plan year). The method of computing the actuarial value of assets complies with rules governing the calculation of such values under the Pension Protection Act of 2006 (PPA). These rules produce smoothed values that reflect the underlying market value of plan assets but fluctuate less than the market value. As a result, the actuarial value of assets will be lower than the market value in some years and greater in other years. However, over the long term under PPA's smoothing rules, the method is more likely to produce an actuarial value of assets that is below the market value of assets.
Tax Policy	The actuarial valuation performed for the plan year ending December 31, 2022 is used to determine the maximum deductible contribution for the tax year ending December 31, 2022.
Benefits not included in valuation	All benefits described in the Plan Provisions section of this report were valued based on discussions with the plan sponsor regarding the likelihood that these benefits will be paid. WTW has reviewed the plan provisions with the plan sponsor and, based on that review, is not aware of any significant benefits required to be valued that were not.

Sources of Data and Other Information

Participant data was supplied electronically via a secure data site as of January 1, 2023 by Park-Ohio Industries, Inc. Data on cash balance participants was supplied by ADP and Schwab. Information about the fair value of plan assets was furnished to us by the Company and the Plan's trustees. Data were reviewed for reasonableness and consistency, but no audit was performed. Based on discussions with the plan sponsor, assumptions or estimates were made when data were not available, and the data was adjusted to reflect any significant events that occurred between the date the data was collected and the measurement date.

In lieu of being provided cash balance participant and balance information as of January 1, 2023 directly from Schwab and ADP, WTW was asked to consolidate several sources of information from Schwab, ADP and Park-Ohio to arrive at the eligible cash balance population and balance amounts as of January 1, 2023. This approach, described further below, was proposed by Schwab, the plan's cash balance administrator, and approved by Park-Ohio. As a result, WTW used cash balance data as of January 1, 2022 and reflected the following:

- Starting participant population: based on the cash balance census data provided by Schwab as of January 1, 2022, and payroll data provided by ADP and Park-Ohio

SCHEDULE SB ATTACHMENTS

- Decrements during 2022: vested and nonvested withdrawals, commencements and deaths provided by Schwab

- Compensation and pay credits earned during 2022: Quarterly compensation earned was provided by Schwab

- "Special Class Population": provided by Schwab containing the most recently valued balance for potentially eligible participants under the amended eligibility provisions effective October 1, 2022. Including the most recently valued balance for this population, as of various dates.

- Participants attaining eligibility during 2022: this population was identified by using Schwab's data as of January 1, 2022 and corresponding participant dates, as well as Park-Ohio payroll information and corresponding dates of hire

Additionally, for cash balance participants hired or rehired in 2022, and therefore only having earned a partial year of pay, an assumed annual plan compensation of $53,000 was used for projecting future compensation. This amount reflects the average plan compensation earned in 2022 by cash balance participants hired or rehired in 2021 and active as of the measurement date.

WTW used the Park-Ohio payroll file from December 2022, the January 1, 2022 data from Schwab, and reflected the above decrement and hiring activity to arrive at the cash balance population as of January 1, 2023 under the current eligibility provisions. Balances as of January 1, 2023 were derived by using the Schwab data as of January 1, 2023 and rolling forward balances to January 1, 2023 using the quarterly pay information provided. For those that were not on the January 1, 2022 Schwab data file but were included in the covered population at January 1, 2023, the quarterly payroll files in conjunction with the "Special Class Population" file containing balances were rolled forward from January 1, 2022 to the measurement date.

We are not aware of any further errors or omissions in the data that would have a significant effect on the results of our calculations.

Assumptions Rationale - Significant Economic Assumptions

Discount rate	For funding purposes, the basis chosen was selected by the plan sponsor from among choices prescribed by law, all of which are based on observed market data over certain periods of time.
Expected return on plan assets	We understand that the expected return on assets assumption reflects the plan sponsor's estimate of future experience for trust asset returns, reflecting the plan's current asset allocation and any expected changes during the current plan year, current market conditions and the plan sponsor's expectations for future market conditions. WTW's determination that the expected long-term return on assets does not significantly conflict with what would be reasonable is informed by WTW's Expected Return Estimator model.

SCHEDULE SB ATTACHMENTS

Cash balance interest crediting rate	The plan credits interest to cash balance accounts using the 1-year Treasury constant maturities rate, with a minimum interest credit rate of 3.00% and a maximum of 7.00%. The Company's expectation of future 1-year Treasury constant maturity rates, after reflecting the 3.00% minimum and 7.00% maximum rate, gives an expected long-term interest crediting rate of 4.00%. We believe the cash balance interest crediting rate chosen does not significantly conflict with what would be reasonable based on a combination of market conditions at the measurement date and future expectations consistent with other economic assumptions used, other than the discount rate.
Rate of increase in Compensation	Assumed increases were chosen by the plan sponsor and represent an estimate of future experience, based on the Company's long-term expectation and an informal review of recent actual experience. Therefore, we believe this assumption does not significantly conflict with what would be reasonable.
Plan-related expenses	Administrative expenses are estimated by determining the actual expenses paid from the trust the preceding year. The expected return on assets is assumed to be net of investment expenses. We believe that this approach to setting assumed future expenses does not significantly conflict with what would be reasonable.

Assumptions Rationale - Significant Demographic Assumptions

Healthy Mortality	Assumptions used for funding purposes are as prescribed by IRC §430(h).
Disabled Mortality	Assumptions used for funding purposes are as prescribed by IRC §430(h).
Termination	The assumed termination rates for participants in the cash balance formula are based on the results of an experience study conducted in 2018 for the experience period January 1, 2013 to December 31, 2017. Termination rates for other employee groups were selected by the plan sponsor based on a published table for pension participants believed to have similar characteristics to the plan population. Gains and losses caused by termination patterns different than assumed are observed and monitored. Therefore, we believe this assumption does not significantly conflict with what would be reasonable. Assumed termination rates differ by age and gender because of observed differences in termination rates by age and gender.

SCHEDULE SB ATTACHMENTS

Disability	Disability rates were based on a published table for pension participants believed to have reasonably similar characteristics participating in pension plans with similar disability provisions. Therefore, we believe this assumption does not significantly conflict with what would be reasonable. No significant plan gains or losses would be caused by disability rates different than assumed. Assumed disability rates differ by age and gender because of expected differences in disability rates by age and gender.
Retirement	The assumed retirement rates for participants in the cash balance formula are based on the results of an experience study conducted in 2018 for the experience period January 1, 2013 to December 31, 2017. Therefore, we believe this assumption does not significantly conflict with what would be reasonable. Retirement rates for other employee groups are based on plan sponsor expectations for the future with periodic monitoring of observed gains and losses caused by retirement patterns different than assumed. Retirement rates differ by eligibility for unreduced retirement benefits because of the expected effects the availability of these benefits have on retirement rates.
Benefit commencement date	Benefit commencement timing for the cash balance plan is based on an experience study conducted in 2018, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future. Benefit commencement date assumptions for other employee groups are based on plan sponsor expectations for the future with periodic monitoring of observed gains and losses caused by retirement patterns different than assumed. Therefore, we believe this assumption does not significantly conflict with what would be reasonable.

Source of Prescribed Methods

Funding methods	The methods used for funding purposes as described in Appendix A, including the method of determining plan assets, are “prescribed methods set by law”, as defined in the actuarial standards of practice (ASOPs). These methods are required by IRC §430, or were selected by the plan sponsor from a range of methods permitted by IRC §430.

SCHEDULE SB ATTACHMENTS

Changes in Assumptions, Methods, and Estimation Techniques

Changes in assumptions since prior valuation

- The segment interest rates used to calculate the funding target and target normal cost were updated to the current valuation date as required by IRC §430.
- The mortality projection scale used to calculate the funding target was updated from Scale MP-2020 to Scale MP-2021, as required by IRC §430.
- The cash balance interest crediting rate assumption was increased from 3.00% to 4.00% for 2023 and beyond.
- Assumed plan-related expenses were updated from $670,340 for the 2022 plan year to $739,602 for the 2023 plan year.

Change in methods since prior valuation

None.

Plan Name	**PARKOHIO INDUSTRIES AND SUBSIDIARIES PENSION PLAN**
Plan Sponsor EIN	**34-6520107**
ERISA Plan #	**002**
Plan Year Ending	**12/31/2023**

The required attachment marked with an "X" in the Attachment column is included within the Accountant's Opinion attachment to Sch. H, Part III, Line 3, which consists of the entire audit report issued by the plan's Independent Qualified Public Accountant (IQPA).

Form/Schedule	Line #	Description	Attachment
5500 Sch. H	Line 3	Financial statements used in formulating the IQPA's opinion	X
5500 Sch. H	Line 4i	Schedule of Assets (Held at End of Year)	X
5500 Sch. H	Line 4i	Schedule of Assets (Acquired and Disposed of Within Year)	
5500 Sch. H	Line 4j	Schedule of Reportable Transactions	X
5500 Sch. H	Line 4a	Schedule of Delinquent Participant Contributions	

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

2023

This Form is Open to Public Inspection

For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023

▶ **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
PARK OHIO INDUSTRIES AND SUBSIDIARIES PENSION PLAN

B Three-digit plan number (PN) ▶ 002

C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF
Park Ohio Industries, Inc.

D Employer Identification Number (EIN)
34-6520107

E Type of plan: [X] Single [ ] Multiple-A [ ] Multiple-B

F Prior year plan size: [ ] 100 or fewer [ ] 101-500 [X] More than 500

Part I Basic Information

1 Enter the valuation date: Month 01 Day 01 Year 2023

2 Assets:

a Market value	**2a**	132,503,017
b Actuarial value	**2b**	145,753,319

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	918	35,839,930	35,839,930
b For terminated vested participants	1,876	10,668,326	10,668,326
c For active participants	2,721	23,610,718	24,552,151
d Total	5,515	70,118,974	71,060,407

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**	5.16 %
6 Target normal cost		
a Present value of current plan year accruals	**6a**	3,976,236
b Expected plan-related expenses	**6b**	739,602
c Target normal cost	**6c**	4,715,838

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

Peter N Dorsey PND

Signature of actuary

October 14, 2024

Date

Peter N. Dorsey

Type or print name of actuary

2305713

Most recent enrollment number

Willis Towers Watson US LLC

Firm name

216-937-4000

Telephone number (including area code)

1001 Lakeside Avenue
Suite 1500
Cleveland OH 44114-1172

Address of the firm

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 [ ]

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)	38,016,764	129,664
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)	38,016,764	129,664
10	Interest on line 9 using prior year's actual return of -18.62 %	-7,078,721	-24,143
11	Prior year's excess contributions to be added to prefunding balance:		
	a Present value of excess contributions (line 38a from prior year)		0
	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 5.33 %		0
	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		0
	d Portion of (c) to be added to prefunding balance		0
12	Other reductions in balances due to elections or deemed elections	2,900,000	0
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	28,038,043	105,521

Part III Funding Percentages

14	Funding target attainment percentage	14	165.50 %
15	Adjusted funding target attainment percentage	15	205.11 %
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	234.96 %
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

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

21 Discount rate:

a Segment rates:

1st segment:	2nd segment:	3rd segment:	
4.75 %	5.00 %	5.74 %	☐ N/A, full yield curve used

b Applicable month (enter code)	**21b**	0
22 Weighted average retirement age	**22**	66

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**	4,715,838
b Excess assets, if applicable, but not greater than line 31a	**31b**	4,715,838

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	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 ATTACHMENTS

Schedule SB – Statement by Enrolled Actuary

Plan Sponsor	Park Ohio Industries, Inc.
EIN/PN	34-6520107/002
Plan Name	Park Ohio Industries and Subsidiaries Pension Plan
Valuation Date	January 1, 2023
Enrolled Actuary	Peter N. Dorsey
Enrollment Number	23-05713

The actuarial assumptions that are not mandated by IRC § 430 and regulations, represent the enrolled actuary's best estimate of anticipated experience under the plan, subject to the following conditions:

The actuarial valuation, on which the information in this Schedule SB is based, has been prepared in reliance upon the employee and financial data furnished by the plan administrator and the trustee. The enrolled actuary has not made a rigorous check of the accuracy of this information but has accepted it after reviewing it and concluding it is reasonable in relation to similar information furnished in previous years. The amounts of contributions and dates paid shown in Item 18 of Schedule SB were listed in reliance on information provided by the plan administrator and/or trustee.

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 22
Description of Weighted Average Retirement Age
as of January 1, 2023.

The Plan's weighted average retirement age of 66 reflects the combination of results for participants from the Ohio Crankshaft division, the Canton Drop Forge division, and the cash balance portion of the plan. These results are presented below.

Determination of Weighted Average Retirement Age for Plan

(Counts Based on January 1, 2023 data)

	Age	Count	Weighted Age
Crankshaft	62.30	23	0.527
Cash Balance	65.62	2,610	64.244
Canton Drop Forge	63.16	34	0.789
Grand Total Weighted Average Retirement Age ==========>			**65.56**

Ohio Crankshaft Participants

See Schedule SB, Part V for retirement rates. The average retirement age for Line 22 was calculated by determining the average age at retirement for those current active participants expected to reach retirement, based on all current decrements assumed.

Age of Retirement	Rates of Retirement	% Retiring	Weighted Ages
(A)	(B)	(C)	(A)*(C)
55	2.00%	2.00%	1.1000
56	2.00%	1.96%	1.0976
57	2.00%	1.92%	1.0949
58	2.00%	1.88%	1.0918
59	2.00%	1.84%	1.0884
60	10.00%	9.04%	5.4235
61	2.00%	1.63%	0.9925
62	50.00%	39.86%	24.7150
63	20.00%	7.97%	5.0227
64	25.00%	7.97%	5.1025
65	90.00%	21.53%	13.9919
66	100.00%	2.39%	1.5786
	Retirement Age ==========>		**62.30**

Plan Name: Park Ohio Industries and Subsidiaries Pension Plan
EIN / PN: 34-6520107/002
Plan Sponsor: Park Ohio Industries, Inc.
Valuation Date: January 1, 2023

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 22
Description of Weighted Average Retirement Age
as of January 1, 2023 (Continued)

Cash Balance Participants

See Schedule SB, Part V for retirement rates. The average retirement age for Line 22 was calculated by determining the average age at retirement for those current active participants expected to reach retirement, based on all current decrements assumed.

Age of Retirement	Rates of Retirement	% Retiring	Weighted Ages
(A)	(B)	(C)	(A)*(C)
60	5.00%	5.00%	3.0000
61	5.00%	4.75%	2.8975
62	12.00%	10.83%	6.7146
63	12.00%	9.53%	6.0042
64	12.00%	8.39%	5.3675
65	18.00%	11.07%	7.1958
66	25.00%	12.61%	8.3213
67	25.00%	9.46%	6.3356
68	25.00%	7.09%	4.8226
69	25.00%	5.32%	3.6701
70	25.00%	3.99%	2.7925
71	100.00%	11.97%	8.4972
		Retirement Age =========>	**65.62**

Plan Name: Park Ohio Industries and Subsidiaries Pension Plan
EIN / PN: 34-6520107/002
Plan Sponsor: Park Ohio Industries, Inc.
Valuation Date: January 1, 2023

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 22
Description of Weighted Average Retirement Age
as of January 1, 2023 (Continued)

Canton Drop Forge Participants

See Schedule SB, Part V for retirement rates. The average retirement age for Line 22 was calculated by determining the average age at retirement for those current active participants expected to reach retirement, based on all current decrements assumed.

Less than 25 years of service

Age of Retirement	Rates of Retirement	% Retiring	Weighted Ages
(A)	(B)	(C)	(A)*(C)
60	2.00%	2.00%	1.2000
61	3.00%	2.94%	1.7934
62	10.00%	9.51%	5.8937
63	5.00%	4.28%	2.6950
64	5.00%	4.06%	2.6008
65	75.00%	57.91%	37.6411
66	50.00%	9.65%	6.3700
67	50.00%	4.83%	3.2333
68	50.00%	2.41%	1.6408
69	50.00%	1.21%	0.8324
70	100.00%	1.21%	0.8445
		Retirement Age ==========>	**64.75**

Plan Name: Park Ohio Industries and Subsidiaries Pension Plan
EIN / PN: 34-6520107/002
Plan Sponsor: Park Ohio Industries, Inc.
Valuation Date: January 1, 2023

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 22
Description of Weighted Average Retirement Age
as of January 1, 2023 (Continued)

Canton Drop Forge Participants

25 to 30 years of service

Age of Retirement	Rates of Retirement	% Retiring	Weighted Ages
(A)	(B)	(C)	(A)*(C)
60	15.00%	15.00%	9.0000
61	15.00%	12.75%	7.7775
62	35.00%	25.29%	15.6783
63	15.00%	7.04%	4.4380
64	15.00%	5.99%	3.8321
65	75.00%	25.45%	16.5411
66	50.00%	4.24%	2.7993
67	50.00%	2.12%	1.4208
68	50.00%	1.06%	0.7210
69	50.00%	0.53%	0.3658
70	100.00%	0.53%	0.3711
		Retirement Age ==========>	**62.94**

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 22
Description of Weighted Average Retirement Age
as of January 1, 2023 (Continued)

Canton Drop Forge Participants

More than 30 years of service

Age of Retirement	Rates of Retirement	% Retiring	Weighted Ages
(A)	(B)	(C)	(A)*(C)
55	3.00%	3.00%	1.6500
56	3.00%	2.91%	1.6296
57	3.00%	2.82%	1.6089
58	5.00%	4.56%	2.6468
59	5.00%	4.34%	2.5578
60	15.00%	12.36%	7.4132
61	15.00%	10.50%	6.4062
62	40.00%	23.80%	14.7588
63	20.00%	7.14%	4.4991
64	20.00%	5.71%	3.6564
65	75.00%	17.14%	11.1405
66	50.00%	2.86%	1.8853
67	50.00%	1.43%	0.9569
68	50.00%	0.71%	0.4856
69	50.00%	0.36%	0.2464
70	100.00%	0.36%	0.2499
		Retirement Age ==========>	**61.79**
	Average Retirement Age for all Canton Drop Forge		**63.16**

Plan Name: Park Ohio Industries and Subsidiaries Pension Plan
EIN / PN: 34-6520107/002
Plan Sponsor: Park Ohio Industries, Inc.
Valuation Date: January 1, 2023

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Schedule SB, Line 24
Change in Actuarial Assumptions

- The cash balance interest crediting rate assumption was increased from 3.00% to 4.00% for 2023 and beyond.

Plan Name:	Park Ohio Industries and Subsidiaries Pension Plan
EIN / PN:	34-6520107/002
Plan Sponsor:	Park Ohio Industries, Inc.
Valuation Date:	January 1, 2023

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V
Statement of Actuarial Assumptions/Methods

Economic Assumptions

Discount Rate for funding:

Interest rate basis:

■ Applicable month	January 2023
■ Yield curve basis	3-Segment Rates

Interest rates:	Reflecting Stabilization	Not Reflecting Stabilization
■ First segment rate	4.75%	2.13%
■ Second segment rate	5.00%	3.62%
■ Third segment rate	5.74%	3.93%
■ Effective interest rate	5.16%	3.58%

Annual rates of increase:

■ Future increases in social security	N/A
■ Cash Balance Interest Credit Rate	4.00%
■ Compensation increase	3.00%

Future increases in maximum benefits and plan compensation/salary limitations	It is assumed that maximum benefit and plan compensation limitations under the Internal Revenue Code will not increase in the future for funding purposes.
Plan-Related Expenses	The amount included for plan-related expenses in the valuation year equals the amount of administrative expenses paid from the trust in the prior year. Under this assumption, the amount included for 2023 is $739,602.

SCHEDULE SB ATTACHMENTS

Demographic Assumptions

Mortality:

- Healthy mortality rates

For funding purposes:

Base Mortality Table

1. Base table: RP-2014 adjusted to 2006 with MP-2014, sex-distinct
2. Base mortality table year: 2006
3. Table type: No Collar or quartile adjustments
4. Healthy or Disabled: Healthy
5. Table weighting: N/A
6. Blending of annuitants and non-annuitants: Separate rates for annuitants and non-annuitants (based on Employees table)

Mortality Improvement Scale

7. Base scale: Scale MP-2021, sex-distinct
8. Projection Type: Static projection as specified in the regulations under §1.430(h)(3)-1
9. Convergence period: N/A
10. Ultimate mortality improvement rate: N/A
11. Pattern during convergence period: N/A

- Disabled life mortality rates

For funding purposes:

Alternative disabled life mortality tables as defined under Revenue Ruling 96-7.

Retirement

Former Castle Rubber Plan

Assumed retirement age is 55 for deferred vested participants with 20 years of service; age 65 for all others.

Former Metalloy Plan

Age(s)	Reduced Benefits	Unreduced Benefits
55-60	1%	1%
61	7	8
62	13	20
63	14	16
64	2	6
65-69	45	45
70	100	100

SCHEDULE SB ATTACHMENTS

Former Bennett, RB&W Cleveland, RB&W Hourly, and Industrial Fasteners Plans

It was assumed that participants will retire upon becoming eligible for normal retirement.

Cash Balance Plan

Attained Age	Annual Rate of Retirement
60-61	5%
62-64	12
65	18
66-70	25
71 & Older	100

Retirement rates for the cash balance plan are based on an experience study conducted in 2018, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future.

Former Crankshaft Plan

Attained Age	Annual Rate of Retirement
55-59	2%
60	10
61	2
62	50
63	20
64	25
65	90
66 & Older	100

SCHEDULE SB ATTACHMENTS

Former Canton Drop Forge Plan

Percentage retiring during the year			
	Years of Service		
Age	Less than 25	25 – 30	More than 30
55	0%	0%	3%
56	0	0	3
57	0	0	3
58	0	0	5
59	0	0	5
60	2	15	15
61	3	15	15
62	10	35	40
63	5	15	20
64	5	15	20
65	75	75	75
66	50	50	50
67	50	50	50
68	50	50	50
69	50	50	50
70	100	100	100

Disability rates

Former Crankshaft Plan

Wyatt 1985 Disability Study Class 1 male and female rates.

Former Bennett, RB&W Cleveland, RB&W Hourly, Castle Rubber, and Industrial Fasteners Plans

Not applicable.

Cash Balance Plan

Disability incidence is included in the termination assumption.

Former Metalloy Plan

100% of Table S-10 of the 11th Railroad Retirement Board Valuation (modified). Sample rates and ages are as follows:

Age(s)	Rate
25	0.06%
40	0.12%
55	1.07%

SCHEDULE SB ATTACHMENTS

Former Canton Drop Forge Plan

Wyatt 1985 Disability Study, Class 3 male table. Sample rates at which participants become disabled by age are shown below:

Percentage becoming disabled during the year	
Age	Rates
25	0.218%
40	0.597
55	2.118

Termination (not due to disability or retirement) rates

Cash Balance Plan

Society of Actuaries' Combined Select termination table for ages 21 to 59. Termination table rate selection is based on an experience study conducted in 2018 with annual consideration of whether any conditions have changed that would be expected to produce different results in the future. The following rates are illustrative:

Attained Age	Annual Rate of Withdrawal
25	20.69%
30	14.78
35	11.99
40	11.09
45	9.98
50	9.12
55	7.11

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Former Metalloy Plan

Attained Age	Annual Rate of Withdrawal
25	16.47%
35	7.34
40	5.51
45	3.67
55	0.00

Former Industrial Fasteners and Crankshaft Plans

The valuation includes Plan participants only, for whom a moderate rate of withdrawal has been assumed. The following rates are illustrative:

	Annual Rate of Withdrawal	
Attained Age	Males	Females
20	.1495	.2496
25	.0994	.1495
30	.0691	.0994
35	.0488	.0691
40	.0282	.0488
45	.0167	.0282
50	.0040	.0167
55	Nil	.0040

Former Bennett, RB&W Cleveland, RB&W Hourly, and Castle Rubber Plans

Not applicable.

Former Canton Drop Forge Plan

Based on age and years of service. The following rates are illustrative:

Percentage leaving during the year				
	Years of Service			
Attained Age	0	5	10	15+
25	25.22%	8.22%	8.22%	8.00%
35	25.43	5.43	5.43	5.00
40	25.60	4.10	4.10	3.50
45	25.83	2.83	2.83	2.00
55	27.12	2.12	2.12	0.00

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Additional Assumptions

Inclusion date	The valuation date coincident with or next following the date on which the employee is hired. For cash balance participants, covered employees may participate in the Plan after attaining age 21 and 30 days of Eligibility Service.
Form of payment	For valuation purposes, participants from the various former plans are assumed to elect the normal form, which is a single-life annuity. Participants in the cash balance plan are assumed to elect the lump sum form.
Marriage	For purposes of valuing the pre-retirement surviving spouse's benefit, 85% of eligible male participants are assumed to be married and 50% of eligible female participants are assumed to be married (60% of males and 40% of females for the former Pension Plan for Certain Hourly-Rate Employees of Canton Drop Forge). Male participants are assumed to be three years older than their spouses and female participants are assumed to be three years younger than their spouses. For the cash balance plan, all pre-retirement deaths are assumed to result in a lump sum payment.
Employees	It was assumed that there will be no new or rehired employees.
Benefit commencement date:	
■ Retirement benefit	Those benefiting under the cash balance formula: ■ For actives under 60, 60% receive their benefit as a lump sum immediately upon termination, the remaining 40% defer their lump sum benefit to age 65 ■ For actives over 60, 100% receive their benefit as a lump sum immediately upon termination. Benefit commencement timing for the cash balance plan is based on an experience study conducted in 2018, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future. All other participants are assumed to commence their benefit upon retirement.

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■ Deferred vested benefit	Current deferred vested participants with a cash balance benefit are assumed to defer commencement until age 65. All other participants are assumed to defer payment until the later of age 65 or termination of employment.
■ Preretirement death benefit	For the Former Pension Plan for Certain Hourly-Rate Employees of Canton Drop Forge, the later of the death of the active participant or the date the participant would have attained age 65
■ Disability benefit	Upon disablement
Timing of benefit payments	Annuity payments are payable monthly at the beginning of the month and lump sum payments are payable on the date of decrement.
Decrement Timing Model	Rounded Middle of Year – All decrements are assumed to occur at the middle of the year to approximate the pattern of decrements that occur throughout the year. In addition, eligibility for benefits, commencement and cessation of benefits, and other commencement factors will reflect the middle of the year timing.
Amount and timing of contributions	Contributions are assumed to be made on the last day required to meet quarterly and minimum funding requirements.

Methods

Census date/measurement date	The measurement date is January 1, 2023. For purposes of determining benefit obligations as of the measurement date, participant data as of the census date, January 1, 2023, are used.
Funding target	Present value of accrued benefits.
Target Normal Cost	Present value of benefits expected to accrue during the plan year plus plan-related expenses expected to be paid from plan assets during the plan year.
Asset method	For funding purposes, the average of the fair market value of assets on the valuation date and 12 and 24 months preceding the valuation date, adjusted for contributions, benefits, administrative expenses and expected earnings 7.75% for both 2021 and 2022 (with such expected earnings limited as described in IRS Notice 2009-22, equivalent to

	6.11% for 2021 and 5.92% for 2022). The average asset value must be within 10% of market value, including discounted contributions receivables (discounted using the effective interest rate for the prior plan year). The method of computing the actuarial value of assets complies with rules governing the calculation of such values under the Pension Protection Act of 2006 (PPA). These rules produce smoothed values that reflect the underlying market value of plan assets but fluctuate less than the market value. As a result, the actuarial value of assets will be lower than the market value in some years and greater in other years. However, over the long term under PPA's smoothing rules, the method is more likely to produce an actuarial value of assets that is below the market value of assets.
Tax Policy	The actuarial valuation performed for the plan year ending December 31, 2022 is used to determine the maximum deductible contribution for the tax year ending December 31, 2022.
Benefits not included in valuation	All benefits described in the Plan Provisions section of this report were valued based on discussions with the plan sponsor regarding the likelihood that these benefits will be paid. WTW has reviewed the plan provisions with the plan sponsor and, based on that review, is not aware of any significant benefits required to be valued that were not.

Sources of Data and Other Information

Participant data was supplied electronically via a secure data site as of January 1, 2023 by Park-Ohio Industries, Inc. Data on cash balance participants was supplied by ADP and Schwab. Information about the fair value of plan assets was furnished to us by the Company and the Plan's trustees. Data were reviewed for reasonableness and consistency, but no audit was performed. Based on discussions with the plan sponsor, assumptions or estimates were made when data were not available, and the data was adjusted to reflect any significant events that occurred between the date the data was collected and the measurement date.

In lieu of being provided cash balance participant and balance information as of January 1, 2023 directly from Schwab and ADP, WTW was asked to consolidate several sources of information from Schwab, ADP and Park-Ohio to arrive at the eligible cash balance population and balance amounts as of January 1, 2023. This approach, described further below, was proposed by Schwab, the plan's cash balance administrator, and approved by Park-Ohio. As a result, WTW used cash balance data as of January 1, 2022 and reflected the following:

- Starting participant population: based on the cash balance census data provided by Schwab as of January 1, 2022, and payroll data provided by ADP and Park-Ohio

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- Decrements during 2022: vested and nonvested withdrawals, commencements and deaths provided by Schwab

- Compensation and pay credits earned during 2022: Quarterly compensation earned was provided by Schwab

- "Special Class Population": provided by Schwab containing the most recently valued balance for potentially eligible participants under the amended eligibility provisions effective October 1, 2022. Including the most recently valued balance for this population, as of various dates.

- Participants attaining eligibility during 2022: this population was identified by using Schwab's data as of January 1, 2022 and corresponding participant dates, as well as Park-Ohio payroll information and corresponding dates of hire

Additionally, for cash balance participants hired or rehired in 2022, and therefore only having earned a partial year of pay, an assumed annual plan compensation of $53,000 was used for projecting future compensation. This amount reflects the average plan compensation earned in 2022 by cash balance participants hired or rehired in 2021 and active as of the measurement date.

WTW used the Park-Ohio payroll file from December 2022, the January 1, 2022 data from Schwab, and reflected the above decrement and hiring activity to arrive at the cash balance population as of January 1, 2023 under the current eligibility provisions. Balances as of January 1, 2023 were derived by using the Schwab data as of January 1, 2023 and rolling forward balances to January 1, 2023 using the quarterly pay information provided. For those that were not on the January 1, 2022 Schwab data file but were included in the covered population at January 1, 2023, the quarterly payroll files in conjunction with the "Special Class Population" file containing balances were rolled forward from January 1, 2022 to the measurement date.

We are not aware of any further errors or omissions in the data that would have a significant effect on the results of our calculations.

Assumptions Rationale - Significant Economic Assumptions

Discount rate	For funding purposes, the basis chosen was selected by the plan sponsor from among choices prescribed by law, all of which are based on observed market data over certain periods of time.
Expected return on plan assets	We understand that the expected return on assets assumption reflects the plan sponsor's estimate of future experience for trust asset returns, reflecting the plan's current asset allocation and any expected changes during the current plan year, current market conditions and the plan sponsor's expectations for future market conditions. WTW's determination that the expected long-term return on assets does not significantly conflict with what would be reasonable is informed by WTW's Expected Return Estimator model.

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Cash balance interest crediting rate	The plan credits interest to cash balance accounts using the 1-year Treasury constant maturities rate, with a minimum interest credit rate of 3.00% and a maximum of 7.00%. The Company's expectation of future 1-year Treasury constant maturity rates, after reflecting the 3.00% minimum and 7.00% maximum rate, gives an expected long-term interest crediting rate of 4.00%. We believe the cash balance interest crediting rate chosen does not significantly conflict with what would be reasonable based on a combination of market conditions at the measurement date and future expectations consistent with other economic assumptions used, other than the discount rate.
Rate of increase in Compensation	Assumed increases were chosen by the plan sponsor and represent an estimate of future experience, based on the Company's long-term expectation and an informal review of recent actual experience. Therefore, we believe this assumption does not significantly conflict with what would be reasonable.
Plan-related expenses	Administrative expenses are estimated by determining the actual expenses paid from the trust the preceding year. The expected return on assets is assumed to be net of investment expenses. We believe that this approach to setting assumed future expenses does not significantly conflict with what would be reasonable.

Assumptions Rationale - Significant Demographic Assumptions

Healthy Mortality	Assumptions used for funding purposes are as prescribed by IRC §430(h).
Disabled Mortality	Assumptions used for funding purposes are as prescribed by IRC §430(h).
Termination	The assumed termination rates for participants in the cash balance formula are based on the results of an experience study conducted in 2018 for the experience period January 1, 2013 to December 31, 2017. Termination rates for other employee groups were selected by the plan sponsor based on a published table for pension participants believed to have similar characteristics to the plan population. Gains and losses caused by termination patterns different than assumed are observed and monitored. Therefore, we believe this assumption does not significantly conflict with what would be reasonable. Assumed termination rates differ by age and gender because of observed differences in termination rates by age and gender.

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Disability	Disability rates were based on a published table for pension participants believed to have reasonably similar characteristics participating in pension plans with similar disability provisions. Therefore, we believe this assumption does not significantly conflict with what would be reasonable. No significant plan gains or losses would be caused by disability rates different than assumed. Assumed disability rates differ by age and gender because of expected differences in disability rates by age and gender.
Retirement	The assumed retirement rates for participants in the cash balance formula are based on the results of an experience study conducted in 2018 for the experience period January 1, 2013 to December 31, 2017. Therefore, we believe this assumption does not significantly conflict with what would be reasonable. Retirement rates for other employee groups are based on plan sponsor expectations for the future with periodic monitoring of observed gains and losses caused by retirement patterns different than assumed. Retirement rates differ by eligibility for unreduced retirement benefits because of the expected effects the availability of these benefits have on retirement rates.
Benefit commencement date	Benefit commencement timing for the cash balance plan is based on an experience study conducted in 2018, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future. Benefit commencement date assumptions for other employee groups are based on plan sponsor expectations for the future with periodic monitoring of observed gains and losses caused by retirement patterns different than assumed. Therefore, we believe this assumption does not significantly conflict with what would be reasonable.

Source of Prescribed Methods

Funding methods	The methods used for funding purposes as described in Appendix A, including the method of determining plan assets, are “prescribed methods set by law”, as defined in the actuarial standards of practice (ASOPs). These methods are required by IRC §430, or were selected by the plan sponsor from a range of methods permitted by IRC §430.

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Changes in Assumptions, Methods, and Estimation Techniques

Changes in assumptions since prior valuation

- The segment interest rates used to calculate the funding target and target normal cost were updated to the current valuation date as required by IRC §430.
- The mortality projection scale used to calculate the funding target was updated from Scale MP-2020 to Scale MP-2021, as required by IRC §430.
- The cash balance interest crediting rate assumption was increased from 3.00% to 4.00% for 2023 and beyond.
- Assumed plan-related expenses were updated from $670,340 for the 2022 plan year to $739,602 for the 2023 plan year.

Change in methods since prior valuation

None.

Schedule SB, Part V
Summary of Plan Provisions

Plan Sponsor

Park-Ohio Industries, Inc.

Plan

Park-Ohio Industries, Inc. and Subsidiaries Pension Plan

Former Metalloy Corporation Plan

Effective Date

December 1, 1964 (as amended and restated effective January 1, 2002). The 2004 amendments including revisions for past service of Metalloy participants have been reflected in this report.

Participation

Hourly Metalloy Employees shall be eligible to participate on the first day of the month coinciding with or next following completion of one year of service and attainment of age 21.

Normal Retirement

Eligibility – Age 65.

Monthly Benefit – The normal retirement benefit is a monthly pension payable for life commencing at age 65 equal to the unit below times Benefit Service.

Benefit Service equals the number of plan years in which a participant is paid for 1,000 hours or more as a participant; for the plan year in which an employee becomes a participant the Benefit Service credit equals the number of hours the employee was paid in such year (including hours prior to becoming a participant) divided by 1,000, with the result rounded to the nearest 1/10 and capped at 1.0 years.

The definition of Benefit Service was changed in 2004 to reflect some Benefit Service for periods prior to the plan year in which employees became participants; only Metalloy employees were affected. This applied to the employees who were active as of the amendment date and some participants who had already terminated.

Certain non-union employees and retirees did not get all the below benefit unit changes. Those in Tupelo, Mississippi have not increased from $16.00 and the last increase for retirees was on March 1, 1996. Those in Fremont, Indiana have not increased from $17.00 and the last increase for retirees was on March 1, 1997. Additionally, effective May 31, 1999, no additional Benefit service will be credited to any non-union hourly employee.

Unit Changes			
Actives		Retirees	
2/1/92*	$12.50	3/1/92	$0.50
2/1/93*	13.00	3/1/93	0.50
2/1/94*	14.00	3/1/94	0.50
2/1/95*	15.00	3/1/95	0.50
3/1/96	16.00	3/1/96	1.00
3/1/97	17.00	3/1/97	1.00
3/1/98	18.00	3/1/98	1.00
3/1/99	19.00	3/1/99	1.00
3/6/00	20.00	3/6/00	1.00
3/5/01	21.00	3/5/01	1.00
3/4/02	22.00	3/4/02	1.00
3/3/03	23.00	3/3/03	1.00

* first payable March 1

Unreduced Early Retirement

Eligibility – Age 62 and 20 years of Vesting Service, or having age plus Benefit Service equal 85 or more.

Monthly Benefit – An immediate benefit equal to the Normal Retirement benefit, *unreduced* for early commencement.

Early Retirement

Eligibility – Age 55 and 5 years of Vesting Service.

Monthly Benefit – An immediately payable benefit equaling the Normal Retirement benefit reduced by one half (1/2) percent for each month between the benefit commencement date and the employee's normal retirement date.

Disability Retirement

Eligibility – Any age if Social Security Disability is paid.

Monthly Benefit – An immediate benefit equal to benefit unit in effect at disablement multiplied by service (up to 40 years) *less*, prior to age 65, any Workmen's Compensation benefits. Until actually awarded it is assumed Workmen's Compensation benefits will not be payable.

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Termination Benefit

Eligibility –Termination of employment prior to retirement after completion of at least 5 years of Vesting Service.

Monthly Benefit – 100% of the normal retirement benefit payable at his normal retirement date. An employee whose last day of work is March 1, 1992, or later, can receive *reduced* benefits as early as age 55; the one half (1/2) percent reductions described in "Early Retirement Benefit" above also apply here but unreduced benefits are not available.

Late Retirement

Eligibility – Over Age 65.

An immediate benefit equal to the greater of i) the benefit accrued at the participant's Normal Retirement Date actuarially increased to the actual retirement date and ii) Accrued Benefit as of the actual retirement date.

Pre-Retirement Spouse's Death Benefit

Eligibility – Vested participants (including terminated employees not yet receiving benefits) who are married.

Monthly Benefit – A death benefit, commencing at the date the participant would have been eligible to retire (based on his service at death), equal to 50% of that to which the participant would have been entitled had he i) survived at least to such date with the accrued benefit he had when he died, ii) elected Retirement (from a terminated vested status if benefit commencement is deferred), iii) accepted the spouse's annuity benefits form and iv) died immediately thereafter. There is no charge for this coverage.

Form of Payment

Life Annuity – monthly payments for the life of the participant.

Joint and Survivor Annuity – monthly payments for the life of the participant with 50%, 67%, 75%, or 100% of the benefit continuing to the beneficiary.

Life annuity with payments guaranteed to continue for 5 or 10 years.

Changes in Plan Provisions Since Last Actuarial Valuation

None.

Former Bennett Plan

Effective Date

January 1, 1972 (as amended most recently effective March 1, 1994).

Credited Benefit Service

For employees retiring after 1974, this is service after 1971. Credited Benefit Service ceased to accrue as of December 30, 1993.

Normal Retirement

Eligibility - Age 65 or over with 5 years or more of Eligibility Service.

Monthly Benefit - For a participant who terminated or retired prior to December 30, 1993, the product of Credited Benefit Service and the benefit unit in effect for the periods as described below:

For Credited Benefit Service Earned	Benefit Unit
From 1/1/72 to 2/28/86	$13.00
From 3/1/86 to 2/28/87	13.50
From 3/1/87 to 2/29/88	14.00
From 3/1/88 to 2/28/89	14.50
From 3/1/89 to 2/28/90	16.00
From 3/1/90 to 2/28/91	16.50
From 3/1/91 to 2/28/94	17.00
On or After 3/1/94	19.00

For participants who were active employees as of December 30, 1993, their Monthly Benefit is the product of all Credited Benefit Service and the $19.00 benefit unit.

Early Retirement

Eligibility - Age 60 with 10 or more years of Eligibility Service.

Monthly Benefit - An actuarially reduced immediate benefit computed under the above benefit units, using service at the time of early retirement; or an unreduced benefit starting at age 65.

Disability Retirement

Eligibility - Any age and 10 or more years of Eligibility Service.

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Monthly Benefit - An immediate benefit as computed under the above benefit units, using service at time of disability retirement. The benefit will become permanent at age 65 if the participant continues to be disabled to that age. Normal Retirement benefit is payable after age 65.

Deferred Vested Retirement

Eligibility - 5 or more years of Eligibility Service.

Monthly Benefit - A benefit (payable at age 65) is determined using the above benefit units. A reduced benefit is available as early as age 60 if the employee has at least 10 years of Eligibility Service.

Surviving Spouse Benefit

A participant who has not retired but who otherwise satisfies the eligibility requirements for vesting has a death benefit whereby if he dies, his spouse would receive the benefit she would have received if he had retired the day before his death and elected a 50% joint and survivor annuity. This benefit is payable beginning immediately or when the employee would have reached age 55, if later. The cost of this coverage is subsidized by the Company.

Voluntary Early Retirement/Termination Program

Eligibility - Any participant at the Peotone Plant that elected voluntary termination or retirement due to the shifting of operations elsewhere, during the period from March 1, 1992 to April 10, 1992.

If the participant had attained age 55 with at least 10 years of Eligibility Service his monthly benefit payable June 1, 1992 would be determined using:

(a) his Credited Service as of March 1, 1992 plus 5 years, and
(b) his attained age as of March 1, 1992 plus 5 years.

If the participant had not met the requirements of age 55 and 10 years of Eligibility Service, he would become vested in his accrued benefit as of March 1, 1992 regardless of his age or duration of service.

Changes in Plan Provisions Since Last Actuarial Valuation

None.

Former Castle Rubber Plan

Effective Date

October 29, 1955 (as last restated effective January 1, 2002).

Normal Retirement

Eligibility – Age 65 or over with 5 or more years of Service (automatic at age 70).

Monthly Benefit – The normal retirement benefit is a monthly benefit, if paid on a straight-life basis, equal to the indicated Benefit Unit times years of Benefit Service:

Date of Retirement	Benefit Unit
Prior to 3/5/1996	$18.00
3/5/1996 – 7/19/1997	18.25
7/20/1997 – 7/18/1998	18.50
7/19/1998 – 7/17/1999	18.75
7/18/1999 – 7/15/2000	19.75
7/16/2000 – 7/14/2001	20.25
7/15/2001 & thereafter	20.75

Unreduced Early Retirement

Eligibility – On retirement after June 17, 1977 between ages 55 and 65 with at least 30 years of Service, or prior to age 55 with at least 30 years of Service and such that the sum of years of age and Service equals at least 85.

Monthly Benefit – An immediate benefit computed under the above benefit units, *unreduced* for early commencement.

Early Retirement

Eligibility – Age 55 with 20 or more years of Service.

Monthly Benefit – An immediate benefit computed under the above benefit units, using Service at time of early retirement, with reduction of 4/10% for each month retirement precedes age 65.

Disability Retirement

Eligibility – 10 or more years of Service.

Monthly Benefit – An immediate benefit equal to twice the accrued normal retirement benefit, unreduced for early commencement. If the employee is receiving Federal Social Security benefits for either disability or age, an immediate benefit equal to the accrued normal retirement benefit, unreduced for early commencement.

Nature of Benefit – A temporary benefit until age 65, subject to discontinuance upon recovery from disability. Normal retirement benefit is payable after age 65.

Termination Benefit

Eligibility – Termination of employment at any age and 5 or more years of Service.

Monthly Benefit – A benefit beginning at age 65 computed under the above benefit units, based on Service to time of termination. Benefit may begin as early as age 55 if employee had 20 years of Service; benefit would be reduced as under Early Retirement above.

Under the terms of the sale of operations, participants with less than 5 years of service were vested. Their benefits will be cashed out.

Pre-Retirement Spouse's Death Benefit

Eligibility – Vested married employees (and certain vested former employees) with 5 or more years of Service.

Nature of Benefit – May elect Death Benefit coverage prior to his actual retirement. In the event of death before retirement the spouse would receive the benefit she would have received if the employee had retired immediately before death and elected the Joint and Survivor form of annuity. If the employee elects this option his benefit is reduced to pay for this coverage as follows:

Period of Coverage	Benefit Reduction Per Year of Coverage
Below Age 45	.001
45 – 54	.002
55 – 64	.005

Form of Payment

An employee may elect to receive his benefit on a straight-life basis or on an actuarially equivalent Joint and Survivor basis. Unless otherwise elected, a benefit payable under the plan shall be paid:

1. On a 50% Joint and Survivor basis; of the employees that have a spouse; or
2. On a straight-life basis otherwise.

Changes in Plan Provisions Since Last Actuarial Valuation

None.

Former RB&W Hourly Plan – CHICAGO PLANT

Effective Date

September 1, 1950, as amended effective July 1, 1990. Effective December 31, 1993, this plan was merged into the RB&W Corporation Hourly Employees Pension Plan.

Participation

All bargaining unit employees at the location. The Plant was sold effective August 9, 1993. All benefit accruals were frozen as of that date.

Crediting of Service

a. Vesting Service - One year is credited for each Plan Year after January 1, 1976 in which at least 87 days of service are completed; service prior to January 1, 1976 is computed based upon the provisions of the Plan then in effect.

b. Credited Service - One year is credited for each plan year in which an employee works some part of 150 or more days. If an employee works less than 150 days but 87 or more days, 3/5 of a year is credited. No service is credited for less than 87 days. Service prior to January 1, 1976 is computed based upon the provisions of the Plan then in effect.

Normal Retirement

Eligible at age 65.

A monthly benefit, if paid on a straight life basis, equal to Years of Credited Service multiplied by the rate in effect at the time of retirement, as follows:

Retirement Date	Benefit Rate
Before 4/1/1985	$13.00
4/1/1985 - 3/31/1986	14.00
4/1/1986 - 6/30/1990	14.75
7/1/1990 - 6/30/1991	15.25
7/1/1991 - 6/30/1992	15.75
7/1/1992 and after	16.00

Early Retirement

Eligible at age 60 and 10 years of Vesting Service.

The accrued normal retirement pension payable at age 65 or a reduced pension payable immediately. The pension is reduced by 6/10 of 1% for each month that pension commencement precedes age 65.

Disability Retirement

Eligible if totally and permanently disabled after 10 years of Vesting Service.

The disability benefit is equal to the accrued normal retirement pension or $200 per month if greater.

Deferred Vested Termination

Eligible at any age and 5 years of Vesting Service.

The termination benefit is equal to the accrued normal retirement pension payable at age 65 or, if the participant has at least 10 years of Vesting Service, a reduced pension payable as early as age 60.

Pre-Retirement Spouse's Benefit

Eligible upon the death of an employee or former employee after completion of 5 years Vesting Service. There is no charge for this coverage.

If participant is over age 55 with 10 years of Vesting Service at the time of his death, his spouse receives a monthly lifetime pension equal to 50% of the participant's accrued benefit.

If the participant is under age 55 at the time of his death, his spouse will receive a lifetime monthly pension commencing on the first day of the month after the participant would have attained age 60. The pension is equal to 50% of the reduced amount he would have received if he had terminated employment as of the date of his death, survived to age 60, and elected the 50% Joint and Survivor option.

Form of Payment

An employee may elect to receive his benefit on a straight-life basis or on an actuarially equivalent Joint and Survivor basis. A married employee shall receive his benefit on a reduced 50% Joint and Survivor actuarially equivalent basis unless he elects (with consent of his spouse) an alternative form of benefit. A single employee shall receive his benefit on a life annuity basis. Other options are available.

Changes in Plan Provisions Since Last Actuarial Valuation

None.

Plan Name:	Park Ohio Industries and Subsidiaries Pension Plan
EIN / PN:	34-6520107/002
Plan Sponsor:	Park Ohio Industries, Inc.
Valuation Date:	January 1, 2023

Former RB&W Hourly Plan- CORAOPOLIS PLANT

Effective date

November 1, 1957, as amended effective February 27, 1996. Effective December 31, 1993, this Plan was merged into the RB&W Corporation Hourly Employees Pension Plan.

Plan Eligibility

Members of United Steelworkers of America, CIO, Local No. 3196 and all other employees on a full-time hourly pay basis at the Coraopolis, Pennsylvania location of the Corporation. The plant was closed effective April 1, 2002. All participants became retirees or vested terminations.

Normal Retirement Benefits

Eligible at age 65 and completion of five years of continuous service.

The monthly amount of benefit is equal to 1.1% of average monthly earnings for the 10 years preceding retirement multiplied by the number of years of continuous service to date of retirement not in excess of 30 years plus 1.2% of such compensation multiplied by the number of years of continuous service in excess of 30 years.

The above benefit is subject to a deduction on account of Social Security of $80 per month.

The minimum monthly benefit, per year of continuous service, is equal to:

Date of Retirement	Amount
1983	$14.50
1984	14.75*
1/1/1985 - 2/26/1989	15.00**
2/27/1989 - 2/29/1992	15.50
3/1/1992 - 2/28/1993	15.75
3/1/1993 - 2/23/1995	16.00
2/24/1995 - 2/28/1999	17.00
3/1/1999 - 2/28/2001	17.50
On or after 3/1/2001	19.50

* Also effective January 1, 1984 for participants who retired between March 1, 1983 and January 1, 1984.
** Also effective January 1, 1985 for participants who retired between March 1, 1983 and January 1, 1985.

Early Retirement Benefit

Eligible at age 60 and completion of 15 years of continuous service.

Any participant who has completed at least 30 years of continuous service and has attained the age of 60 years may retire at his option on a full early retirement benefit.

Any participant who has completed at least 15 years of continuous service and (i) has attained age 55 and whose combined age and years of continuous service equals 70 or more or (ii) whose combined age and years of continuous service equals 80 or more, and whose service is terminated by reason of a permanent shutdown, layoff or physical disability, may be retired on a special early retirement benefit. Any participant who has met these age and service requirements may be retired on a special early retirement benefit, under conditions mutually satisfactory to the participant and the Corporation.

The early retirement benefit is a deferred benefit, commencing at age 65, equal to the normal retirement benefit based on continuous service to the date of early retirement. In lieu of the deferred benefit, the participant may elect to receive a reduced benefit, commencing at a date between his early retirement date and normal retirement date, which is the actuarial equivalent of the deferred benefit.

The monthly benefit payable to a participant eligible for a full early retirement benefit is an immediate benefit equal to the normal retirement benefit based on service to the date of early retirement.

The monthly benefit payable to a participant eligible for a special early retirement benefit is an immediate benefit accrued to date of early retirement, except that the deduction of $80 per month is not applied until the participant becomes eligible to receive an unreduced Social Security benefit.

Disability Retirement Benefit

Eligible if totally and permanently disabled after 15 years of continuous service.

The monthly benefit payable to age 65 is equal to a normal retirement benefit computed on the earnings formula and based on continuous service to date of disability retirement, subject to reduction by any Social Security disability benefit payable, not in excess of $80 per month. The minimum monthly benefit is the larger of (a) $150, subject to reduction by any Social Security disability benefit payable, not in excess of $80 per month; or (b) an amount equal to the minimum monthly normal retirement benefit, without any deduction for Social Security benefits.

The monthly disability benefit described above is increased by $75 until an unreduced disability Social Security benefit is payable or until age 65, if earlier.

At age 65 the disability benefit is computed as a normal retirement benefit, with due regard to the minimum benefit amount, based on the participant’s continuous service to the time of disability.

Vested Retirement Benefit

Eligible after five years of continuous service, provided the participant is not eligible to receive any other retirement benefit under the Plan.

The benefit payable at age 65 is equal to the amount of normal retirement benefit under the Plan as in effect when his service terminated based on continuous service up to the date of termination of service.

In the event the participant had completed at least 15 years of continuous service on his date of termination, in lieu of the benefit payable at age 65, he may elect to receive a reduced benefit commencing at a date between age 60 and age 65, which is the actuarial equivalent of the benefit deferred to age 65.

Special Retirement Payment

In all cases of retirement except disability or deferred vested retirement, a special lump sum retirement payment is made equal to 13 weeks' pay at the rate of vacation pay applicable for the year of retirement reduced by the amount of any vacation pay received for that year. If the participant is not entitled to a vacation in the year of retirement, the benefit is equal to 13 weeks of vacation pay at the rate of pay applicable when he was last entitled to a vacation, reduced by the amount of vacation pay received for the year for which he was last entitled to a vacation. Regular monthly benefit payments commence after the three-month period for which the special retirement payment is made, or in the fourth month following the attainment of age 65, in the case of an early-deferred benefit.

Pre-Retirement Spouse's Benefit

Eligible upon the death of an employee after completion of 5 years of continuous service, provided the employee has been married to his current spouse for at least one year. There is no charge for this coverage.

If the participant is over age 60 with 15 years of continuous service at the time of death, his spouse receives a monthly lifetime pension equal to 50% of the reduced amount the participant would have received if he had retired as of the date of his death and elected the 50% Joint and Survivor annuity.

If the participant is under age 60 or has less than 15 years of continuous service at the time of his death, his spouse will receive a monthly lifetime pension commencing on the first day of the month after the participant would have attained his earliest commencement age equal to 50% of the reduced amount he would have received if he had terminated employment as of the date of his death, survived to his earliest commencement age and elected the 50% Joint and Survivor annuity.

Regular and Optional Forms of Retirement Benefits

Any temporary disability benefits and special retirement payments are payable as described above. Benefits payable for life are payable as described in (a), (b) and (c) below:

(a) If the participant is not married on the date his retirement benefit commences, the retirement benefit is equal to the benefit previously described in this summary, adjusted for any spouse's benefit coverage, and is payable for the life of the retired participant only.

(b) Unless a married participant elects otherwise, his retirement benefit is payable as a reduced benefit, in the form of a 50% joint and survivor annuity of equivalent actuarial value to the benefit in (a) above, which is payable during the retired participant's life, and after his death an allowance of one-half of the benefit payable to the retired participant is paid during the life of, and to, the retired participant's spouse.

(c) Prior to the date on which his retirement benefit begins, the participant may elect to convert his benefit into a benefit of equivalent actuarial value to the benefit otherwise payable on his account in accordance with one of the options described below.

Option 1. A benefit equal to the benefit in (a) above, payable for his life only, even if he has a spouse, at the date his retirement benefit commences.

Option 2. A reduced benefit in the form of a 75% or 100% joint and survivor annuity which is payable during the retired participant's lifetime, with the provision that, after his death, the reduced allowance will be continued to his spouse.

A participant is deemed to have retired on his date of death if his death occurs during employment and after his normal retirement date.

Plan Merger

Effective December 31, 1989, the Powdered Metal Products Hourly Employees Pension Plan was merged into this Plan, and benefit accruals for the former PMP participants were frozen as of such date.

Plant Shutdown Benefits

Special benefits were provided in conjunction with the Coraopolis shutdown:

a. The special early retirement benefit described above (rule of 70/80) was extended to participants whose combined age and years of service equaled 69 or more.

b. Participants were offered the option of receiving the lump sum value of the normal retirement benefit in lieu of a normal, early or deferred vested annuity benefit.

c. All participants received a $6,000 supplementary lump sum or the annuity equivalent.

d. The Special Retirement Payment was paid in addition to, rather than in lieu of, the first three months of the retirement benefit.

Changes in Plan Provisions Since Last Actuarial Valuation

None.

Plan Name:	Park Ohio Industries and Subsidiaries Pension Plan
EIN / PN:	34-6520107/002
Plan Sponsor:	Park Ohio Industries, Inc.
Valuation Date:	January 1, 2023

Former RB&W Hourly Plan – KENT PLANT

Effective Date

January 2, 1959, as amended effective July 1, 1997. Effective December 31, 1993, this Plan was merged into the RB&W Corporation Hourly Employees Pension Plan.

Participation

All hourly-paid employees on the seniority list at the location. Participation is frozen effective September 1, 2003. The Kent division of the RB&W Hourly Plan shut down effective July 15, 2007.

Crediting of Service

a. Vesting Service - One year is credited for each Plan Year after January 1, 1976 in which at least 1,000 hours of service are completed; service prior to January 1, 1976 is computed based upon provisions of the Plan then in effect.

b. Credited Service - One year is credited for each Plan Year in which at least 1,600 hours of service are completed, with fractional service credited (to the nearest 1/10) for less than 1,600 hours.

Normal Retirement

Eligible at age 65.

A monthly benefit, if paid on a straight life basis, equal to Years of Credited Service multiplied by the rate in effect at the time of retirement, as follows:

Retirement Date	Benefit Rate
Before 1/1/1985	$13.00
1/1/1985 - 12/31/1985	13.50
1/1/1986 - 3/31/1989	14.00
4/1/1989 - 3/31/1990	14.25
4/1/1990 - 3/31/1991	14.75
4/1/1991 - 3/31/1992	15.00
4/1/1992 - 6/30/1996	15.75
7/1/1996 - 6/30/2000	16.00
7/1/2000 - 6/30/2001	16.25
7/1/2001 – 5/31/2006	18.25
6/1/2006 – 3/8/2007	20.25
3/9/2007 and after	21.00

Early Retirement

Eligible at age 60 and 10 years of Vesting Service.

The accrued normal retirement pension payable at age 65 or, alternatively, a reduced pension payable immediately. The pension is reduced by 6/10 of 1% for each month that pension commencement precedes age 65.

Disability Retirement

Eligible if totally and permanently disabled after 10 years of Vesting Service.

Prior to age 65, employee receives greatest of:

(1) twice the accrued normal retirement pension less any disability benefits payable under Social Security, or

(2) the accrued normal retirement pension, or

(3) $150 per month.

After age 65, the accrued normal retirement pension at time of disability is payable.

Deferred Vested Termination

Eligible at any age and 5 years of Vesting Service.

The accrued normal retirement pension payable at age 65 or, if the participant has at least 10 years of Vesting Service, a reduced pension payable as early as age 60.

Pre-Retirement Spouse's Benefit

Eligible upon the death of an employee or former employee after completion of 5 years Vesting Service. There is no charge for this coverage.

If the participant is over age 60 with 10 years of Vesting Service at the time of his death, his spouse receives a monthly lifetime pension equal to 50% of the participant's accrued benefit.

If the Participant is under age 60 at the time of his death, his spouse will receive a monthly pension commencing on the first day of the month after the participant would have attained age 60 equal to 50% of the reduced amount he would have received if he had terminated employment as of the date of his death, survived to age 60, and elected the 50% Joint and Survivor option.

Supplement

Eligible if age 62 by January 10, 1994 and retire early during the interim period.

A supplement of $150 per month is payable until age 65.

Form of Payment

An employee may elect to receive his benefit on a straight-life basis or on an actuarially equivalent Joint and Survivor basis. Unless otherwise elected, any benefit payable under the Plan shall be paid:

1. On a 50% Joint and Survivor basis; if the employee has been married to his current spouse for at least one year; or

2. On a straight-life basis otherwise.

Changes in Plan Provisions Since Last Actuarial Valuation

None.

Former RB&W Hourly Plan – ROCK FALLS PLANT

Effective Date

January 1, 1960, as amended and restated effective June 1, 1990. Effective December 31, 1993, this Plan was merged into the RB&W Corporation Hourly Employees Pension Plan.

Participation

All employees on a full-time, hourly-pay basis at the Rock Falls, Illinois location of the Corporation. The Plant was sold effective August 9, 1993. All benefit accruals were frozen as of that date.

Normal Retirement Benefit

Eligible at age 65 and 5 years of continuous service.

The monthly amount of benefit is equal to 1.1% of average monthly earnings for the 10 years preceding retirement multiplied by the number of years of continuous service to date of retirement not in excess of 30 years plus 1.2% of such compensation multiplied by the number of years of continuous service in excess of 30 years.

The above benefit is subject to a deduction on account of Social Security of $80 per month.

The minimum monthly benefit, per year of continuous service, is equal to:

Date of Retirement	Amount
June 1, 1990 through May 31, 1991	$16.25*
June 1,1991 and after	$16.75**

* Also effective as of June 1, 1990 for participants who retired on or after April 9, 1990.
** Also effective as of June 1, 1991 for participants who retire on or after April 9, 1990.

In computing the above minimum benefit, there is no deduction on account of Social Security benefits.

Early Retirement Benefit

Eligible at age 60 and 15 years of continuous service.

Any participant who has completed at least 30 years of continuous service and has attained the age of 60 years may retire at his option on a full early retirement benefit. Any participant who has completed at least 15 years of continuous service and (i) has attained age 55 and whose combined age and years of continuous service equals 70 or more or (ii) whose combined age and years of continuous service equals 80 or more, and whose service is terminated by reason of permanent shutdown, layoff or physical disability, may be retired on a special early retirement benefit. Any participant who has met

these age and service requirements may be retired on a special early retirement benefit under conditions mutually satisfactory to the participant and the Corporation.

The early retirement benefit is a deferred benefit, commencing at age 65, equal to the normal retirement benefit based on continuous service to the date of early retirement. In lieu of the deferred benefit, the participant may elect to receive a reduced benefit, commencing at a date between his early retirement date and normal retirement date, which is the actuarial equivalent of the deferred benefit.

The monthly benefit payable to a participant eligible for a full early retirement benefit is an immediate benefit equal to the normal retirement benefit based on service to the date of early retirement.

The monthly benefit payable to a participant eligible for a special early retirement benefit is an immediate benefit accrued to date of early retirement, except that the deduction of $80 per month is not applied until the participant becomes eligible to receive an unreduced Social Security benefit.

Disability Retirement Benefit

Eligible at any age if totally and permanently disabled with 15 years of continuous service.

The monthly benefit payable to age 65 is equal to a normal retirement benefit computed on the earnings formula and based on continuous service to date of disability retirement, subject to reduction by any Social Security disability benefit payable, not in excess of $80 per month. The minimum monthly benefit is the larger of (a) $150, subject to reduction by any Social Security disability benefit payable, not in excess of $80 per month; or (b) an amount equal to the minimum monthly normal retirement benefit, without any deduction for Social Security benefits.

The monthly disability benefit described above is increased by $75 until an unreduced disability Social Security benefit is payable or until age 65, if earlier.

At age 65, the disability benefit is recomputed as a normal retirement benefit, with due regard to the minimum benefit amount, based on the participant’s continuous service to the time of disability.

Vested Retirement Benefit

Eligible at any age with 5 years of continuous service.

The benefit payable at age 65 is equal to the amount of normal retirement benefit under the Plan as in effect when his service terminated based on continuous service up to the date of termination of service.

In the event the participant had completed at least 15 years of continuous service on his date of termination, in lieu of the benefit payable at age 65, he may elect to receive a reduced benefit, commencing at a date between age 60 and age 65, which is the actuarial equivalent of the benefit deferred to age 65.

Special Retirement Payment

In all cases of normal and early retirement, a special retirement payment is made equal to 520 times the participant's average straight-time hourly base rate during the last 13 weeks worked by him prior to retirement, reduced by the amount of any vacation pay paid to him since the June 1 immediately preceding his retirement. Regular monthly benefit payments commence on the first of the month nearest the expiration of the period for which the special payment is made.

Pre-Retirement Spouse's Benefit

Eligible upon the death of an employee after completion of five years of continuous service, provided the employee has been married to his current spouse for at least one year. There is no charge for this coverage.

If the participant is over age 60 with 15 years of continuous service at the time of his death, his spouse receives a lifetime pension equal to 50% of the reduced amount the participant would have received if he had retired as of the date of his death and elected the 50% Joint and Survivor annuity.

If the participant is under age 60 or has less than 15 years of continuous service at the time of his death, his spouse will receive a monthly lifetime pension commencing on the first day of the month after the participant would have attained his earliest commencement age equal to 50% of the reduced amount he would have received if he had terminated employment as of the date of his death, survived to his earliest commencement age and elected the 50% Joint and Survivor annuity.

Regular and Optional Forms of Retirement Benefits

Any temporary disability benefits and special retirement payments are payable as described above. Benefits payable for life are payable as described in (a), (b) and (c) below.

(a) If the participant is not married on the date his retirement benefit commences, the monthly retirement benefit is equal to the benefit previously described in this summary, adjusted for any spouse's benefit coverage, and is payable for the life of the retired participant only.

(b) Unless a married participant elects otherwise, his retirement benefit is payable as a reduced benefit, in the form of a 50% joint and survivor annuity of equivalent actuarial value to the benefit in (a) above, which is payable during the retired participant's life, and after his death an allowance of one-half the benefit payable to the retired participant is paid during the life of, and to, the retired participant's spouse.

(c) Prior to the date on which his retirement begins, the participant may elect to convert his benefit into a benefit of equivalent actuarial value to the benefit otherwise payable on his account in accordance with one of the options described below.

Option 1. A benefit equal to the benefit in (a) above, payable for his life only, even if he has a spouse, at the date his retirement benefit commences.

Option 2. A reduced benefit in the form of a 75% or 100% Joint and Survivor annuity which is payable during the retired participant's lifetime, with the provision that, after his death, the reduced allowance will be continued to his spouse.

A participant is deemed to have retired on his date of death if his death occurs during employment and after his normal retirement date.

Changes in Plan Provisions Since Last Actuarial Valuation

None.

Former Contract Unit Employees at Cleveland, Ohio (RB&W Cleveland Plan)

Effective Date

March 17, 1973, as amended most recently effective February 20, 1989.

Effective January 1, 2007, this plan was merged into the Park-Ohio Industries, Inc. and Subsidiaries Pension Plan.

Participation

Members of the International Union, United Automobile, Aerospace and Agricultural Implement Workers of America and all other full-time hourly-pay basis employees at the Cleveland, Ohio location of the Corporation.

Normal Retirement Benefit

Eligible at age 65 and completion of 5 years of creditable service.

The monthly normal retirement benefit is equal to:

(i) $8.00 multiplied by the years of creditable service at retirement for employees who retire on or after August 1, 1977 but before October 5, 1978;

(ii) $9.00 multiplied by the years of creditable service at retirement for employees who retire on or after October 5, 1978 but before September 1, 1979;

(iii) $9.50 multiplied by the years of creditable service at retirement for employees who retire on or after September 1, 1979 but before September 1, 1980;

(iv) $10.00 multiplied by the years of creditable service at retirement for employees who retire on or after September 1, 1980, but before February 20, 1989; or

(v) $11.50 ($13.00 effective July 1, 1990) multiplied by the years of creditable service at retirement for employees who retire on or after February 20, 1989.

Early Retirement Benefit

Eligible at age 60 and completion of 10 years of creditable service.

The early retirement benefit is a deferred benefit, beginning at normal retirement date, equal to the normal retirement benefit accrued to date of early retirement. In lieu of the deferred benefit, the employee may elect to receive an immediate benefit, commencing at any time between his early retirement date and his normal retirement date, equal to the deferred benefit reduced by 5/8 of 1%

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multiplied by the number of months from his benefit commencement date to his normal retirement date.

Disability Retirement Benefit

Eligible if totally and permanently disabled after ten years of creditable service.

The disability retirement benefit is equal to the normal retirement benefit accrued to date of disability plus, until the earlier of when the employee is eligible for disability benefits under Social Security or age 65, an additional benefit equal to the normal retirement benefit accrued to date of disability.

Vested Retirement Benefit

Eligible after the completion of five years of creditable service but before being eligible for any other benefit under the Plan.

The benefit is a deferred benefit commencing at normal retirement date and is equal to the normal retirement benefit accrued to date of termination. In lieu of the deferred benefit commencing at normal retirement, the employee with at least 10 years of creditable service may elect to receive a benefit commencing at any time between age 60 and 65 equal to the deferred benefit reduced by 5/8 of 1% multiplied by the number of months from his benefit commencement date to his normal retirement date.

Pre-Retirement Spouse's Benefit

Upon the death of an employee after completion of 5 years of creditable service, the spouse of this employee is eligible to receive a spouse's benefit provided the employee has been married to his current spouse for at least one year. There is no charge for this coverage.

If the participant is over age 60 at the time of his death, his spouse receives a monthly lifetime pension equal to 55% of the reduced amount the participant would have received if he had retired as of the date of his death and elected the 55% joint and survivor basis.

If the participant is under age 60 at the time of his death, his spouse will receive a monthly lifetime pension commencing on the first day of the month after the participant would have attained age 60 equal to 55% of the reduced amount he would have received if he had terminated employment as of the date of his death, survived to age 60, and elected the 55% joint and survivor basis.

Regular and Optional Forms of Retirement Benefits

Any temporary disability benefits are payable as described above. Benefits payable for life are payable as described in (a), (b) and (c) below:

(a) If the employee is not married on the date his retirement benefit commences, the annual retirement benefit is equal to the benefit previously described in this summary, adjusted for any spouse's benefit coverage, and is payable for the life of the retired employee only.

(b) Unless a married employee elects otherwise, his retirement benefit is payable as a reduced benefit, in the form of a 55% joint and survivor annuity of equivalent actuarial value to the benefit in (a) above, which is payable during the retired employee's life, and after his death an allowance of 55% of the benefit payable to the retired employee is paid during the life of, and to, the retired employee's spouse.

(c) Prior to the date on which his retirement benefit begins, the employee may elect to convert his benefit into a benefit of equivalent actuarial value to the benefit otherwise payable on his account in accordance with one of the options described below.

Option 1. A benefit equal to the benefit in (a) above, payable for his life only, even if he has a spouse, at the date his retirement benefit commences.

Option 2. A reduced benefit in the form of a 75% or 100% joint and survivor annuity which is payable during the retired employee's lifetime, with the provision that, after his death, the reduced allowance will be continued to his spouse.

An employee is deemed to have retired on his date of death if his death occurs during employment and after his normal retirement date.

Increase in Benefits to Retired Employees

Effective with monthly pension payments commencing October 1978, for all employees who had retired, the normal retirement benefit rate is increased by $.50 multiplied by the number of years of service on which the retirement benefit was calculated.

Change in Plan Provisions Since Last Actuarial Valuation

None.

Former RB&W Cleveland - PORT CHESTER

Effective Date

November 1, 1957, as amended and restated effective January 1, 1989.

The RB&W Port Chester Plan was merged into the RB&W Cleveland Plan in 2000.

Effective January 1, 2007, RB&W Cleveland Plan was merged into the Park-Ohio Industries, Inc. and Subsidiaries Pension Plan.

Participant

Participants who had retired under the plan prior to April 14, 1973, participants who had retired under the IAM Labor/Management Pension Plan and participants on a full-time hourly-pay basis who met the eligibility requirements for either a normal or early retirement benefit and whose service was terminated by the closing of the Port Chester plant.

Normal Retirement

Any participant who has completed 15 years of continuous service and has attained the age of 65 years is eligible to receive a benefit upon his retirement.

The annual amount of the benefit is equal to number of years of continuous service, limited to 35 years, multiplied by $42 for a participant who retires under this Plan on or after January 1, 1969.

Early Retirement

Any participant who has completed at least 15 years of continuous service, whose combined age and years of continuous service equals 70 or more and whose service is terminated due to the closing of the Port Chester Plant is eligible to receive an early retirement benefit.

The early retirement benefit is a deferred benefit, commencing at age 65, equal to the normal retirement benefit based on service to the date of early retirement. In lieu of the deferred benefit, the participant may elect to receive an immediate benefit commencing at the later of the date of early retirement or age 55, which is the actuarial equivalent of the deferred benefit.

Substitute Retirement

Any former participant whose service was terminated after October 13, 1970 and prior to March 15, 1973 and who was then eligible for and has received benefits under the IAM Plan is eligible to receive a substitute retirement benefit.

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The substitute retirement benefit commences in the month following the former participant's receipt of his last payment under the IAM Plan and is equal to one of the following: (i) If the former participant had attained age 65 on his date of termination, his substitute retirement benefit is equal to the normal retirement benefit based on his continuous service to date of termination. (ii) If the former participant had not attained age 65 on his date of termination, his substitute retirement benefit is equal to an early retirement benefit computed as if his benefit had commenced immediately on his date of termination.

If the former participant had elected and received a lump sum cash payment from the IAM Plan in lieu of a portion of his benefit from the IAM Plan, then the benefit computed in (i) or (ii) above is reduced in the same proportion that his IAM Plan benefit was reduced for such election.

Changes in Plan Provisions Since Last Actuarial Valuation

None.

Former Industrial Fasteners Split Funded Defined Benefit Pension Plan, later renamed the Integrated Logistics Holding Corp. Pension Plan

Effective Date

Effective April 1, 2007, the plan was merged into the Park Ohio and Subsidiaries Pension Plan.

Participation

Employers of Industrial Fasteners LLC who have attained age 21 and completed one year of service. The plan was closed to new entrants as of December 31, 1999.

Average Monthly Compensation

Average of the highest five consecutive calendar years of compensation overall years of participation.

Normal Retirement

Eligibility – April 1 nearest age 65.

Plan Years Beginning Before January 1, 1994
(1) 33% of Average Monthly Compensation plus (2) 22.75% of Average Monthly Compensation in excess of 1/12th of Covered Compensation. Both (1) and (2) are reduced by 1/35 for each year of service less than 35.

Plan Years Beginning After December 31, 1993
(1) 33% of Average Monthly Compensation plus (2) 20% of Average Monthly Compensation in excess of 1/12th of Covered Compensation. Both (1) and (2) are reduced by 1/35 for each year of service less than 35.

Early Retirement

Plan provisions do not provide for early retirement.

Disability Retirement

Eligibility - Totally and Permanently Disabled with this condition continuing for six (6) months. There are no age or service requirements.

Monthly Benefit – Actuarial Equivalent of the accrued benefit.

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Termination Benefit

Monthly Benefit – Percentage of the normal retirement benefit payable at his normal retirement date. The percentage is based on the vesting schedule below:

Years of Service	Percentage
Less than 3	0%
3	20%
4	40%
5	60%
6	80%
7	100%

The benefit may commence at any age. It is reduced by 1/15 for each of the first 5 years preceding normal retirement age and 1/30 for each of the next 5 years. An actuarial reduction applies for each additional year.

Late Retirement

Eligibility – Over Age 65.

An immediate benefit equal to the greater of i) the benefit accrued at the participant's Normal Retirement Date actuarially increased to the actual retirement date and ii) Accrued Benefit as of the actual retirement date.

Pre-Retirement Spouse's Death Benefit

Eligibility – Vested participants (including terminated employees not yet receiving benefits) who are married. There is no charge for the coverage.

Monthly Benefit – A death benefit, commencing at the date of the participant death, equal to 50% of that to which the participant would have been entitled had he i) terminated the day before his death, ii) elected an immediate commencement date, and iii) elected the 50% joint and survivor annuity form.

Lump sum – The spouse may elect a lump sum equal to the actuarial equivalent of the monthly spouse benefit.

Regular and Optional Forms of Retirement Benefits

The normal form is a life annuity with the first 120 monthly payments guaranteed.

Joint and Survivor Annuity – monthly payments for the life of the participant with 50%, 75% or 100% of the benefit continuing to the beneficiary.

Lump sum – actuarial equivalent of the normal retirement benefit. A benefit with present value less than $5,000 is automatically paid as a lump sum.

Changes in Plan Provisions Since Last Actuarial Valuation

None.

Former Ohio Crankshaft Pension Plan, later renamed the Pension Plan for Local 91 Bargaining Unit Employees

Effective Date

October 1, 1959.

Effective October 1, 2009, this plan was merged into the Park-Ohio Industries, Inc. and Subsidiaries Pension Plan. It was amended most recently effective December 18, 2018.

Coverage and Participation

Member of Bargaining Unit.

Normal Retirement Benefit

Eligibility – Age 65.

Benefit – The monthly benefit, if paid on a straight-life basis, is equal to $27.00 per year of Credited Benefit Service for retirements prior to January 1, 2017 and is equal to $30.00 per year of Credited Benefit Service for retirements on or after January 1, 2017.

Early Retirement Benefit

Eligibility – Age 55 with at least 10 years of Credited Benefit Service (age 50 with 30 years of Credited Benefit Service).

After age 62, or after age 55 with the sum of age and years of Credited Benefit Service at least equal to 85, or after age 50 with 30 years of Credited Benefit Service, the employee receives an unreduced normal pension.

Otherwise, the employee receives his accrued normal retirement pension payable at age 65 or, alternatively, an immediate benefit reduced by 6/10% for each complete calendar month prior to age 65 but not under age 60, plus 4/10% for each completed calendar month prior to age 60 but not under age 55.

Employees who retire after age 50 with at least 30 years of Credited Benefit Service receive a Temporary Early Retirement Supplement to age 62, such that the Total monthly benefit is not less than $1,000. At age 62 the benefit reverts to the Normal Retirement Benefit above (applies to retirements on or after August 1, 1992.)

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Plan Sponsor:	Park Ohio Industries, Inc.
Valuation Date:	January 1, 2023

Disability Benefit

Eligibility - On total and permanent disability resulting in retirement after January 31, 1971 with at least 10 years of Credited Benefit Service.

Benefit – The accrued normal retirement pension plus a temporary monthly pension of $7.00 per year of credited service up to a maximum of $175 monthly. The temporary pension ceases at age 65 or when the employee becomes eligible for an unreduced Social Security benefit.

Vested Benefits Upon Termination of Service

Eligibility – Any age and 5 years of Vesting Service (10 years for employees who terminated prior to October 1, 1989). All participants became fully vested in their accrued benefits as of December 16, 2009, due to an asset transfer under IRC 420. Similar asset transfers have occurred annually since 2009, resulting in full and immediate vesting each December.

Benefit – The accrued normal retirement pension payable at age 65 or, alternatively, an actuarially reduced pension payable as early as age 55 if the employee meets the service requirements for early retirement.

Pre-Retirement Spouse's Benefit

Eligibility – A married vested employee who is still working or a vested former employee is automatically eligible unless he elects to waive the Surviving Spouse Benefit.

Benefit – The surviving spouse will receive the benefit she would have received if the employee had retired on the first day of the month of his death or, if later, at age 55, and had elected a 50% Joint and Survivor option. Deferred vested benefits are actuarially reduced to pay for this coverage.

Form of Payment

An employee may elect to receive his benefit on a straight-life basis or on an actuarially equivalent 50% or 75% Joint and Survivor basis. Unless otherwise elected, any benefit payable under the Plan shall be paid on a 50% Joint and Survivor basis, if the employee has been married to his current spouse for at least one year or on a straight-life basis otherwise.

Post-Retirement Benefit Increases

Certain increases were effective January 1, 1981, August 1, 1981 and August 1, 1982 for participants (other than former deferred vested participants or their beneficiaries) who retired prior to those dates.

Special Strike Settlement Agreement Benefits Effective June 29, 1992

Active Strikers: A participant who is classified as an Active Striker under the terms of the Strike Settlement Agreement, is age 50 with at least 25 years of Credited Benefit Service, and retires by August 1, 1992 is eligible to receive his regular monthly benefit determined by using his Credited

Benefit Service (inclusive of the 9 years of Credited Benefit Service granted during the duration of the strike) and an $18.00 benefit unit commencing at age 62, and a temporary supplemental benefit payable to age 62, such that the total of this supplement and the unreduced monthly benefit determined above is not less than $500 per month.

Class Eligible Employees: If a participant classified as a Class Eligible Employee retires under the provisions of the Plan, his benefit will be determined using the additional 9 years of Credited Benefit Service granted for the duration of the strike.

Certain Retired Participants: If a member of the Bargaining Unit retired during the strike (between July 11, 1983 and May 28, 1992) that retired participant will have his monthly pension benefit re-determined using an $18.00 benefit unit.

Changes in Plan Provisions Since Last Actuarial Valuation

None

Former Pension Plan for Certain Hourly-Rated Employees of Canton Drop Forge

Plan Provisions

Effective December 31, 2018, this plan was merged into the Park-Ohio Industries, Inc. and Subsidiaries Pension Plan. It was amended most recently effective December 31, 2018.

Covered employees

All hourly employees of Plant B hired before February 27, 2005 will be Plan participants on their date of hire.

Participation freeze

Plan participation is frozen as of February 27, 2005.

Definitions

Pension service

A participant's continuous service shall be equal to the elapsed time of employment measured from the date of hire to the termination date of an employee.

Normal retirement date (NRD)

First of month coinciding with or next following the attainment of age 65.

Monthly pension benefit

A monthly life annuity starting at age 65 based on retirement date.

Calculated as credited service up to 20 years times Rate A shown below, plus credit service in excess of 20 years times Rate B shown below, up to the applicable maximum service:

Retirement Date	Rate A	Rate B	Maximum Service
3/06/1996 – 3/01/1997	$21.50	$27.50	
3/02/1997 – 3/01/1998	22.25	28.25	
3/02/1998 – 3/01/1999	23.00	29.00	
3/02/1999 – 2/26/2000	24.00	30.00	
2/27/2000 – 2/26/2001	26.00	31.00	42
2/27/2001 – 2/26/2002	27.00	32.00	42
2/27/2002 – 2/26/2003	28.00	34.00	42
2/27/2003 – 2/26/2004	29.00	37.00	43
2/27/2007 – 12/31/2007	31.00	41.00	43
1/01/2008 – 2/28/2014	34.00	44.00	43
3/01/2014 – 2/26/2017	34.50	44.50	43
2/27/2017 and later	35.25	45.25	43

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Actuarial Equivalence Basis	1983 Group Annuity Mortality Table (male rates for participants and female rates for beneficiaries) and an interest rate of 6%

Eligibility for Benefits

Normal retirement	Retirement on NRD
Early retirement	55/30 Early Retirement – Attainment of age 55 and 30 years of continuous service 60/25 Early Retirement – Attainment of age 60 and 25 years of continuous service 60/15 Early Retirement – Attainment of age 60 and 15 years of continuous service
Late retirement	After age 65 and five years of participation
Deferred vested termination	Termination after five years of continuous service.
Disability	Permanent and total disability at any age with at least 15 years of continuous service.
Surviving Spouse's Benefit	Death of an active employee after the age of 50 with at least 15 years of Continuous Service
Preretirement death benefit	Death when 100% vested and not eligible for the Surviving Spouse's Benefit.
Supplemental Benefit	■ Participants who retire between March 1, 1997 and February 28, 1999, who are eligible for the "60/25 Early Retirement" and who have yet to attain age 65 ■ Participants who retire between February 27, 2005 and February 26, 2008, who are eligible for the "60/25 Early Retirement" or "55/30 Early Retirement" and who have yet to attain age 65 ■ Participants who retire after February 27, 2014, who are eligible for the "60/25 Early Retirement" or "55/30 Early Retirement" and who have yet to attain age 65

Amount of Benefits

Normal retirement	The accrued benefit.
Early retirement	55/30 Early Retirement – The accrued benefit 60/25 Early Retirement – The accrued benefit 60/15 Early Retirement – The vested benefit commences in full at age 65, or as early as age 60 in a reduced amount equal to the actuarial equivalent of the accrued benefit at age 65.
Late retirement	The accrued benefit calculated using service accrued through the actual retirement date and the benefit unit in effect at termination.
Deferred vested termination	The accrued benefit commencing at age 65. If the participant has at least 15 years of continuous service, they can retire after age 60 under the "60/15 Early Retirement" provisions.
Disablement	The accrued benefit at the time of disability is payable on an unreduced basis.
Surviving Spouse's Benefit	50% of the benefit as though the employee had elected to retire the day before death assuming the employee's age at death was at least 65. This benefit shall be reduced by ½% for each year the spouse is under the age of 50. After the spouse's attainment of age 65 the benefit will be 50% of the actuarially reduced benefit assuming the employee had retired at normal retirement age and accepted the 50% joint and survivor benefit.
Preretirement death	50% of the benefit the employee would have received if he would have elected the 50% Joint and Survivor benefit the day before his death. If the employee has not yet attained age 60, the benefit is calculated using service on the date of death and assuming the employee survived to age 60. The benefit is payable at the later of when the employee would have been age 60 or at the employee's death.
Supplemental Benefit	■ Participants who retire between March 1, 1997 and February 28, 1999: $100 ■ Participants who retire between February 27, 2005 and February 26, 2008: $200 ■ Participants who retire after February 27, 2014: $200 These supplemental benefits will be paid until the earlier of the attainment of age 65 or the death of the participant.

Other Plan Provisions

Pension Increases	Those participants who retire from active status during the term of the union contract will receive an increase in their pension as the benefit unit increases.
Optional Forms of Payment	Life Annuity, Joint and 50% Survivor Annuity, Joint and 75% Survivor Annuity
Maximum limits on benefits and pay	All benefits and pay for any calendar year may not exceed the maximum limitations for that year as defined in the Internal Revenue Code. The plan provides for increasing the dollar limits automatically as such changes take effect. Increases in the dollar limits are not assumed for funding or AFTAP purposes.

Future Plan Changes

WTW is not aware of any future plan changes that are required to be reflected.

Changes in Benefits Valued Since Prior Year

None

SCHEDULE SB ATTACHMENTS

Cash Balance Plan

Effective Date

April 1, 2011 (as amended most recently effective October 1, 2022).

Coverage and Participation

Coverage is as defined under Covered Employment Classifications in the plan document. In general, employees of the Parent Company and most Related Companies are covered, with the exception of some bargained employees.

Participation for covered employees begins on the first Entry Date following:

(a) Attainment of age 21, and

(b) Prior to October 1, 2022, the Employee's completion of two years of Eligibility Service. Effective October 1, 2022, the Employee's completion of 30 days of Eligibility Service.

Covered Employees who have attained age 21 and with 30 days of eligibility service and less than two years of eligibility service as of October 1, 2022 are immediately eligible to participate and such eligibility service will be treated as vesting service.

Entry Date

On and after October 1, 2022, the first day of a calendar month.

Prior to October 1, 2022 the first day of January, April, July and October, with April 1, 2011 being the first Entry Date. Employees of the Bates division began accruing benefits under the cash balance formula effective January 1, 2016. Employees of the Fluid Routing Solutions division began accruing benefits under the cash balance formula effective January 1, 2018. Employees of the Autoform division began accruing benefits under the cash balance formula effective January 1, 2019.

Vesting

On and after October 1, 2022, participants become 100% vested in their accrued benefit after attaining two years of vesting service.

Prior to October 1, 2022, covered employees became 100% vested in their accrued benefit upon their entry date, as defined at that time.

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Valuation Date:	January 1, 2023

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Cash Balance Account

Initial balance: The starting balance in the cash balance account as of April 1, 2011 is zero.

Pay credits: Pay credits equal to 2% of pay are deposited at the end of each quarter from April 1, 2011 to December 31, 2017. Pay credits equal to 2.50% of pay for each quarter from December 31, 2017 to June 30, 2020 are deposited at the end of each quarter. Pay credits equal to 3.00% of pay for each quarter after June 30, 2021 are deposited at the end of each quarter effective July 1, 2021. Pay is limited to the amounts provided under IRC Section 401(a)(17).

Interest credits: Interest credits are applied quarterly equal to the quarterly interest rate equivalent of the average yield on nominal 1-year Treasury constant maturities for the second month of the preceding Plan Year Quarter, as reported in Federal Reserve Statistical Release H.15. Notwithstanding the foregoing, in no event shall the interest rate for a Plan Year Quarter be less than a rate that is equivalent of a 3.00% annual rate or greater than a rate that is equivalent of a 7.00% annual rate. Interest is credited until the date of commencement of benefits.

Normal Retirement

Eligibility – Age 65.

Monthly Benefit – The normal retirement benefit is a monthly pension payable for life commencing at age 65 equal to the actuarial equivalent of the participant's cash balance account. Actuarial equivalence is based on the IRC 417(e) assumptions in effect at the annuity starting date.

Form of Payment

An employee may elect to receive his benefit as a single lump sum equal to the cash balance account, on a single-life annuity basis or on an actuarially equivalent 50% or 100% Joint and Survivor annuity basis. A married employee shall receive his benefit on a reduced 100% Joint and Survivor actuarially equivalent annuity basis unless he elects (with consent of his spouse) an alternative form of benefit. The same forms of payment apply to vested terminated participants. A terminated participant who defers commencement retains the right to elect a lump sum.

If the cash balance account is less than $5,000 at termination of employment, the benefit will automatically be distributed in lump sum form. For Metalloy employees with accrued benefits under the former Metalloy Plan, the $5,000 threshold applies to total benefit value.

Vested Benefits Upon Termination of Service

Termination Benefit – The deferred vested monthly pension, commencing on or prior to the Normal Retirement Date, is the actuarial equivalent of the participant's cash balance account. Other than plan participation requirements, there are no age or service requirements for early benefit commencement.

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Disability Benefits

There is no distinction between termination due to disability and termination due to other causes.

Late Retirement Benefits

Pay credits and interest credits will continue past normal retirement date. For participants other than 5% owners, there will be no commencement of payment prior to termination of employment. An actuarial increase is applied to the benefit for periods of employment beyond April 1 of the year after the year in which age 70.5 is attained.

Death Benefits Before Retirement

If a vested active or vested terminated participant dies prior to benefit commencement, his beneficiary shall receive a lump sum benefit equal to the participant's cash balance account as of the date of death. If there is no designated beneficiary, payment will be made to the estate.

If the beneficiary is the participant's surviving spouse, the beneficiary may elect to receive the benefit as a 100% Joint and Survivor annuity.

If a participant is not vested and dies before the commencement date of all or any portion of the participant's accrued benefit, no death benefit shall be payable to any person on account of the death of the participant, and the participant's account shall be forfeited.

There is no charge for pre-retirement death benefit coverage.

Changes in Plan Provisions since Last Actuarial Valuation

On November 23, 2022 the Cash Balance Plan was amended effective October 1, 2022 to:

- Allow Covered Employees to participate in the Plan after attaining age 21 and 30 days of Eligibility Service

- Change vesting requirements for participants on and after October 1, 2022, to become 100% vested in their accrued benefit after attaining two years of Vesting Service

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 26a
Schedule of Active Participant Data as of January 1, 2023

Attained Age	Years of Credited Service																			
	Under 1		1 to 4		5 to 9		10 to 14		15 to 19		20 to 24		25 to 29		30 to 34		35 to 39		40 & Over	
	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.
Under 25	156	51,678	15		0		0		0		0		0		0		0		0	
25 - 29	147	52,251	46	56,801	7		0		0		0		0		0		0		0	
30 - 34	129	51,235	56	52,229	39	59,710	2		0		0		0		0		0		0	
35 - 39	102	54,136	48	61,104	35	60,859	27	81,693	1		0		0		0		0		0	
40 - 44	103	55,888	71	64,500	39	67,943	52	73,049	2		1		0		0		0		0	
45 - 49	102	54,296	78	64,047	59	68,390	84	78,807	2		5		1		0		0		0	
50 - 54	79	62,000	70	68,137	62	65,154	120	82,699	2		2				3		0		0	
55 - 59	69	56,003	52	69,034	95	71,375	144	83,950	2		6		2		3		0		0	
60 - 64	53	57,890	61	66,447	72	64,003	163	84,521	2		1		2		5		1		1	
65 - 69	20	68,853	19		30	72,143	108	82,716	0		1		0		0		0		0	
70 & Over	1		12		9		39	67,624	0		0		1		0		0		0	

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SCHEDULE SB ATTACHMENTS

Schedule SB, Line 26a

Schedule of Active Participant Data for Cash Balance Plans as of January 1, 2023

Attained Age	Years of Credited Service																			
	Under 1		1 to 4		5 to 9		10 to 14		15 to 19		20 to 24		25 to 29		30 to 34		35 to 39		40 & Over	
	No.	Avg. Bal.	No.	Avg. Bal.	No.	Avg. Bal.	No.	Avg. Bal.	No.	Avg. Bal.	No.	Avg. Bal.	No.	Avg. Bal.	No.	Avg. Bal.	No.	Avg. Bal.	No.	Avg. Bal.
Under 25	156	298	15		0		0		0		0		0		0		0		0	
25 - 29	147	391	46	3,134	7		0		0		0		0		0		0		0	
30 - 34	129	423	56	3,305	39	7,819	2		0		0		0		0		0		0	
35 - 39	102	468	48	3,955	35	8,160	27	18,188	0		0		0		0		0		0	
40 - 44	103	689	70	4,483	39	9,705	52	16,667	0		0		0		0		0		0	
45 - 49	102	498	78	4,813	59	10,120	83	18,563	0		0		0		0		0		0	
50 - 54	79	619	70	4,879	62	9,714	116	21,103	0		0		0		0		0		0	
55 - 59	69	496	52	5,685	95	10,074	143	21,344	0		0		0		0		0		0	
60 - 64	53	556	60	5,098	70	10,528	163	22,866	0		0		0		0		0		0	
65 - 69	20	602	19		30	10,877	108	23,392	0		0		0		0		0		0	
70 & Over	1		11		9		39	20,276	0		0		0		0		0		0	

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Valuation Date: January 1, 2023

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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
2023	3,064,703	1,513,751	3,421,361	7,999,815
2024	2,447,336	398,496	3,555,882	6,401,714
2025	2,167,115	419,521	3,434,320	6,020,956
2026	2,164,321	517,408	3,310,712	5,992,441
2027	2,013,567	636,797	3,187,679	5,838,043
2028	1,868,389	565,829	3,063,054	5,497,272
2029	1,828,622	674,670	2,934,741	5,438,033
2030	1,726,179	635,903	2,805,279	5,167,361
2031	1,629,648	673,284	2,673,755	4,976,687
2032	1,583,633	748,742	2,540,424	4,872,799
2033	1,499,378	741,427	2,406,683	4,647,488
2034	1,471,889	771,378	2,271,691	4,514,958
2035	1,376,827	687,506	2,135,798	4,200,131
2036	1,248,336	666,461	1,999,411	3,914,208
2037	1,194,016	722,467	1,863,003	3,779,486
2038	1,113,957	665,701	1,727,109	3,506,767
2039	1,073,608	678,859	1,592,322	3,344,789
2040	1,045,278	706,529	1,459,298	3,211,105
2041	946,171	601,766	1,328,751	2,876,688
2042	884,495	617,345	1,201,457	2,703,297
2043	799,454	598,341	1,078,238	2,476,033
2044	798,432	622,797	959,914	2,381,143
2045	710,917	541,143	847,286	2,099,346
2046	667,294	606,607	741,105	2,015,006
2047	591,874	541,557	642,026	1,775,457
2048	543,699	550,332	550,595	1,644,626
2049	534,372	494,048	467,239	1,495,659
2050	516,025	457,389	392,207	1,365,621
2051	389,889	432,759	325,572	1,148,220
2052	400,664	396,970	267,220	1,064,854

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Plan Year	Active Participants	Terminated Vested Participants	Retired Participants and Beneficiaries Receiving Payments	Total
2053	357,224	403,292	216,851	977,367
2054	307,462	359,915	173,993	841,370
2055	291,790	329,155	138,057	759,002
2056	277,406	300,756	108,365	686,527
2057	227,367	279,469	84,186	591,022
2058	197,688	252,751	64,776	515,215
2059	171,466	223,626	49,414	444,506
2060	152,924	196,478	37,418	386,820
2061	148,028	168,310	28,165	344,503
2062	111,920	156,451	21,109	289,480
2063	102,435	138,335	15,780	256,550
2064	85,885	127,122	11,785	224,792
2065	67,039	110,632	8,810	186,481
2066	56,484	97,230	6,604	160,318
2067	48,516	88,235	4,971	141,722
2068	40,211	77,833	3,763	121,807
2069	32,604	69,162	2,867	104,633
2070	26,413	60,892	2,198	89,503
2071	21,352	53,623	1,694	76,669
2072	17,261	46,972	1,311	65,544

SCHEDULE SB ATTACHMENTS

Schedule SB – Statement by Enrolled Actuary

Plan Sponsor	Park Ohio Industries, Inc.
EIN/PN	34-6520107/002
Plan Name	Park Ohio Industries and Subsidiaries Pension Plan
Valuation Date	January 1, 2023
Enrolled Actuary	Peter N. Dorsey
Enrollment Number	23-05713

The actuarial assumptions that are not mandated by IRC § 430 and regulations, represent the enrolled actuary's best estimate of anticipated experience under the plan, subject to the following conditions:

The actuarial valuation, on which the information in this Schedule SB is based, has been prepared in reliance upon the employee and financial data furnished by the plan administrator and the trustee. The enrolled actuary has not made a rigorous check of the accuracy of this information but has accepted it after reviewing it and concluding it is reasonable in relation to similar information furnished in previous years. The amounts of contributions and dates paid shown in Item 18 of Schedule SB were listed in reliance on information provided by the plan administrator and/or trustee.

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 22
Description of Weighted Average Retirement Age
as of January 1, 2023.

The Plan's weighted average retirement age of 66 reflects the combination of results for participants from the Ohio Crankshaft division, the Canton Drop Forge division, and the cash balance portion of the plan. These results are presented below.

Determination of Weighted Average Retirement Age for Plan

(Counts Based on January 1, 2023 data)

	Age	Count	Weighted Age
Crankshaft	62.30	23	0.527
Cash Balance	65.62	2,610	64.244
Canton Drop Forge	63.16	34	0.789
Grand Total Weighted Average Retirement Age ==========>			**65.56**

Ohio Crankshaft Participants

See Schedule SB, Part V for retirement rates. The average retirement age for Line 22 was calculated by determining the average age at retirement for those current active participants expected to reach retirement, based on all current decrements assumed.

Age of Retirement	Rates of Retirement	% Retiring	Weighted Ages
(A)	(B)	(C)	(A)*(C)
55	2.00%	2.00%	1.1000
56	2.00%	1.96%	1.0976
57	2.00%	1.92%	1.0949
58	2.00%	1.88%	1.0918
59	2.00%	1.84%	1.0884
60	10.00%	9.04%	5.4235
61	2.00%	1.63%	0.9925
62	50.00%	39.86%	24.7150
63	20.00%	7.97%	5.0227
64	25.00%	7.97%	5.1025
65	90.00%	21.53%	13.9919
66	100.00%	2.39%	1.5786
	Retirement Age ==========>		**62.30**

Plan Name: Park Ohio Industries and Subsidiaries Pension Plan
EIN / PN: 34-6520107/002
Plan Sponsor: Park Ohio Industries, Inc.
Valuation Date: January 1, 2023

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 22
Description of Weighted Average Retirement Age
as of January 1, 2023 (Continued)

Cash Balance Participants

See Schedule SB, Part V for retirement rates. The average retirement age for Line 22 was calculated by determining the average age at retirement for those current active participants expected to reach retirement, based on all current decrements assumed.

Age of Retirement	Rates of Retirement	% Retiring	Weighted Ages
(A)	(B)	(C)	(A)*(C)
60	5.00%	5.00%	3.0000
61	5.00%	4.75%	2.8975
62	12.00%	10.83%	6.7146
63	12.00%	9.53%	6.0042
64	12.00%	8.39%	5.3675
65	18.00%	11.07%	7.1958
66	25.00%	12.61%	8.3213
67	25.00%	9.46%	6.3356
68	25.00%	7.09%	4.8226
69	25.00%	5.32%	3.6701
70	25.00%	3.99%	2.7925
71	100.00%	11.97%	8.4972
		Retirement Age =========>	**65.62**

Plan Name: Park Ohio Industries and Subsidiaries Pension Plan
EIN / PN: 34-6520107/002
Plan Sponsor: Park Ohio Industries, Inc.
Valuation Date: January 1, 2023

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 22
Description of Weighted Average Retirement Age
as of January 1, 2023 (Continued)

Canton Drop Forge Participants

See Schedule SB, Part V for retirement rates. The average retirement age for Line 22 was calculated by determining the average age at retirement for those current active participants expected to reach retirement, based on all current decrements assumed.

Less than 25 years of service

Age of Retirement	Rates of Retirement	% Retiring	Weighted Ages
(A)	(B)	(C)	(A)*(C)
60	2.00%	2.00%	1.2000
61	3.00%	2.94%	1.7934
62	10.00%	9.51%	5.8937
63	5.00%	4.28%	2.6950
64	5.00%	4.06%	2.6008
65	75.00%	57.91%	37.6411
66	50.00%	9.65%	6.3700
67	50.00%	4.83%	3.2333
68	50.00%	2.41%	1.6408
69	50.00%	1.21%	0.8324
70	100.00%	1.21%	0.8445
		Retirement Age ==========>	**64.75**

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 22
Description of Weighted Average Retirement Age
as of January 1, 2023 (Continued)

Canton Drop Forge Participants

25 to 30 years of service

Age of Retirement	Rates of Retirement	% Retiring	Weighted Ages
(A)	(B)	(C)	(A)*(C)
60	15.00%	15.00%	9.0000
61	15.00%	12.75%	7.7775
62	35.00%	25.29%	15.6783
63	15.00%	7.04%	4.4380
64	15.00%	5.99%	3.8321
65	75.00%	25.45%	16.5411
66	50.00%	4.24%	2.7993
67	50.00%	2.12%	1.4208
68	50.00%	1.06%	0.7210
69	50.00%	0.53%	0.3658
70	100.00%	0.53%	0.3711
		Retirement Age ==========>	**62.94**

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 22
Description of Weighted Average Retirement Age
as of January 1, 2023 (Continued)

Canton Drop Forge Participants

More than 30 years of service

Age of Retirement	Rates of Retirement	% Retiring	Weighted Ages
(A)	(B)	(C)	(A)*(C)
55	3.00%	3.00%	1.6500
56	3.00%	2.91%	1.6296
57	3.00%	2.82%	1.6089
58	5.00%	4.56%	2.6468
59	5.00%	4.34%	2.5578
60	15.00%	12.36%	7.4132
61	15.00%	10.50%	6.4062
62	40.00%	23.80%	14.7588
63	20.00%	7.14%	4.4991
64	20.00%	5.71%	3.6564
65	75.00%	17.14%	11.1405
66	50.00%	2.86%	1.8853
67	50.00%	1.43%	0.9569
68	50.00%	0.71%	0.4856
69	50.00%	0.36%	0.2464
70	100.00%	0.36%	0.2499
		Retirement Age ==========>	**61.79**
	Average Retirement Age for all Canton Drop Forge		**63.16**

Plan Name: Park Ohio Industries and Subsidiaries Pension Plan
EIN / PN: 34-6520107/002
Plan Sponsor: Park Ohio Industries, Inc.
Valuation Date: January 1, 2023

SCHEDULE SB ATTACHMENTS

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
2023	3,064,703	1,513,751	3,421,361	7,999,815
2024	2,447,336	398,496	3,555,882	6,401,714
2025	2,167,115	419,521	3,434,320	6,020,956
2026	2,164,321	517,408	3,310,712	5,992,441
2027	2,013,567	636,797	3,187,679	5,838,043
2028	1,868,389	565,829	3,063,054	5,497,272
2029	1,828,622	674,670	2,934,741	5,438,033
2030	1,726,179	635,903	2,805,279	5,167,361
2031	1,629,648	673,284	2,673,755	4,976,687
2032	1,583,633	748,742	2,540,424	4,872,799
2033	1,499,378	741,427	2,406,683	4,647,488
2034	1,471,889	771,378	2,271,691	4,514,958
2035	1,376,827	687,506	2,135,798	4,200,131
2036	1,248,336	666,461	1,999,411	3,914,208
2037	1,194,016	722,467	1,863,003	3,779,486
2038	1,113,957	665,701	1,727,109	3,506,767
2039	1,073,608	678,859	1,592,322	3,344,789
2040	1,045,278	706,529	1,459,298	3,211,105
2041	946,171	601,766	1,328,751	2,876,688
2042	884,495	617,345	1,201,457	2,703,297
2043	799,454	598,341	1,078,238	2,476,033
2044	798,432	622,797	959,914	2,381,143
2045	710,917	541,143	847,286	2,099,346
2046	667,294	606,607	741,105	2,015,006
2047	591,874	541,557	642,026	1,775,457
2048	543,699	550,332	550,595	1,644,626
2049	534,372	494,048	467,239	1,495,659
2050	516,025	457,389	392,207	1,365,621
2051	389,889	432,759	325,572	1,148,220
2052	400,664	396,970	267,220	1,064,854

Plan Name: Park Ohio Industries and Subsidiaries Pension Plan
EIN / PN: 34-6520107/002
Plan Sponsor: Park Ohio Industries, Inc.
Valuation Date: January 1, 2023

SCHEDULE SB ATTACHMENTS

Plan Year	Active Participants	Terminated Vested Participants	Retired Participants and Beneficiaries Receiving Payments	Total
2053	357,224	403,292	216,851	977,367
2054	307,462	359,915	173,993	841,370
2055	291,790	329,155	138,057	759,002
2056	277,406	300,756	108,365	686,527
2057	227,367	279,469	84,186	591,022
2058	197,688	252,751	64,776	515,215
2059	171,466	223,626	49,414	444,506
2060	152,924	196,478	37,418	386,820
2061	148,028	168,310	28,165	344,503
2062	111,920	156,451	21,109	289,480
2063	102,435	138,335	15,780	256,550
2064	85,885	127,122	11,785	224,792
2065	67,039	110,632	8,810	186,481
2066	56,484	97,230	6,604	160,318
2067	48,516	88,235	4,971	141,722
2068	40,211	77,833	3,763	121,807
2069	32,604	69,162	2,867	104,633
2070	26,413	60,892	2,198	89,503
2071	21,352	53,623	1,694	76,669
2072	17,261	46,972	1,311	65,544

Schedule SB, Part V
Summary of Plan Provisions

Plan Sponsor

Park-Ohio Industries, Inc.

Plan

Park-Ohio Industries, Inc. and Subsidiaries Pension Plan

Former Metalloy Corporation Plan

Effective Date

December 1, 1964 (as amended and restated effective January 1, 2002). The 2004 amendments including revisions for past service of Metalloy participants have been reflected in this report.

Participation

Hourly Metalloy Employees shall be eligible to participate on the first day of the month coinciding with or next following completion of one year of service and attainment of age 21.

Normal Retirement

Eligibility – Age 65.

Monthly Benefit – The normal retirement benefit is a monthly pension payable for life commencing at age 65 equal to the unit below times Benefit Service.

Benefit Service equals the number of plan years in which a participant is paid for 1,000 hours or more as a participant; for the plan year in which an employee becomes a participant the Benefit Service credit equals the number of hours the employee was paid in such year (including hours prior to becoming a participant) divided by 1,000, with the result rounded to the nearest 1/10 and capped at 1.0 years.

The definition of Benefit Service was changed in 2004 to reflect some Benefit Service for periods prior to the plan year in which employees became participants; only Metalloy employees were affected. This applied to the employees who were active as of the amendment date and some participants who had already terminated.

Certain non-union employees and retirees did not get all the below benefit unit changes. Those in Tupelo, Mississippi have not increased from $16.00 and the last increase for retirees was on March 1, 1996. Those in Fremont, Indiana have not increased from $17.00 and the last increase for retirees was on March 1, 1997. Additionally, effective May 31, 1999, no additional Benefit service will be credited to any non-union hourly employee.

Unit Changes			
Actives		Retirees	
2/1/92*	$12.50	3/1/92	$0.50
2/1/93*	13.00	3/1/93	0.50
2/1/94*	14.00	3/1/94	0.50
2/1/95*	15.00	3/1/95	0.50
3/1/96	16.00	3/1/96	1.00
3/1/97	17.00	3/1/97	1.00
3/1/98	18.00	3/1/98	1.00
3/1/99	19.00	3/1/99	1.00
3/6/00	20.00	3/6/00	1.00
3/5/01	21.00	3/5/01	1.00
3/4/02	22.00	3/4/02	1.00
3/3/03	23.00	3/3/03	1.00

* first payable March 1

Unreduced Early Retirement

Eligibility – Age 62 and 20 years of Vesting Service, or having age plus Benefit Service equal 85 or more.

Monthly Benefit – An immediate benefit equal to the Normal Retirement benefit, *unreduced* for early commencement.

Early Retirement

Eligibility – Age 55 and 5 years of Vesting Service.

Monthly Benefit – An immediately payable benefit equaling the Normal Retirement benefit reduced by one half (1/2) percent for each month between the benefit commencement date and the employee's normal retirement date.

Disability Retirement

Eligibility – Any age if Social Security Disability is paid.

Monthly Benefit – An immediate benefit equal to benefit unit in effect at disablement multiplied by service (up to 40 years) *less*, prior to age 65, any Workmen's Compensation benefits. Until actually awarded it is assumed Workmen's Compensation benefits will not be payable.

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EIN / PN:	34-6520107/002
Plan Sponsor:	Park Ohio Industries, Inc.
Valuation Date:	January 1, 2023

Termination Benefit

Eligibility –Termination of employment prior to retirement after completion of at least 5 years of Vesting Service.

Monthly Benefit – 100% of the normal retirement benefit payable at his normal retirement date. An employee whose last day of work is March 1, 1992, or later, can receive *reduced* benefits as early as age 55; the one half (1/2) percent reductions described in "Early Retirement Benefit" above also apply here but unreduced benefits are not available.

Late Retirement

Eligibility – Over Age 65.

An immediate benefit equal to the greater of i) the benefit accrued at the participant's Normal Retirement Date actuarially increased to the actual retirement date and ii) Accrued Benefit as of the actual retirement date.

Pre-Retirement Spouse's Death Benefit

Eligibility – Vested participants (including terminated employees not yet receiving benefits) who are married.

Monthly Benefit – A death benefit, commencing at the date the participant would have been eligible to retire (based on his service at death), equal to 50% of that to which the participant would have been entitled had he i) survived at least to such date with the accrued benefit he had when he died, ii) elected Retirement (from a terminated vested status if benefit commencement is deferred), iii) accepted the spouse's annuity benefits form and iv) died immediately thereafter. There is no charge for this coverage.

Form of Payment

Life Annuity – monthly payments for the life of the participant.

Joint and Survivor Annuity – monthly payments for the life of the participant with 50%, 67%, 75%, or 100% of the benefit continuing to the beneficiary.

Life annuity with payments guaranteed to continue for 5 or 10 years.

Changes in Plan Provisions Since Last Actuarial Valuation

None.

Former Bennett Plan

Effective Date

January 1, 1972 (as amended most recently effective March 1, 1994).

Credited Benefit Service

For employees retiring after 1974, this is service after 1971. Credited Benefit Service ceased to accrue as of December 30, 1993.

Normal Retirement

Eligibility - Age 65 or over with 5 years or more of Eligibility Service.

Monthly Benefit - For a participant who terminated or retired prior to December 30, 1993, the product of Credited Benefit Service and the benefit unit in effect for the periods as described below:

For Credited Benefit Service Earned	Benefit Unit
From 1/1/72 to 2/28/86	$13.00
From 3/1/86 to 2/28/87	13.50
From 3/1/87 to 2/29/88	14.00
From 3/1/88 to 2/28/89	14.50
From 3/1/89 to 2/28/90	16.00
From 3/1/90 to 2/28/91	16.50
From 3/1/91 to 2/28/94	17.00
On or After 3/1/94	19.00

For participants who were active employees as of December 30, 1993, their Monthly Benefit is the product of all Credited Benefit Service and the $19.00 benefit unit.

Early Retirement

Eligibility - Age 60 with 10 or more years of Eligibility Service.

Monthly Benefit - An actuarially reduced immediate benefit computed under the above benefit units, using service at the time of early retirement; or an unreduced benefit starting at age 65.

Disability Retirement

Eligibility - Any age and 10 or more years of Eligibility Service.

Plan Name:	Park Ohio Industries and Subsidiaries Pension Plan
EIN / PN:	34-6520107/002
Plan Sponsor:	Park Ohio Industries, Inc.
Valuation Date:	January 1, 2023

Monthly Benefit - An immediate benefit as computed under the above benefit units, using service at time of disability retirement. The benefit will become permanent at age 65 if the participant continues to be disabled to that age. Normal Retirement benefit is payable after age 65.

Deferred Vested Retirement

Eligibility - 5 or more years of Eligibility Service.

Monthly Benefit - A benefit (payable at age 65) is determined using the above benefit units. A reduced benefit is available as early as age 60 if the employee has at least 10 years of Eligibility Service.

Surviving Spouse Benefit

A participant who has not retired but who otherwise satisfies the eligibility requirements for vesting has a death benefit whereby if he dies, his spouse would receive the benefit she would have received if he had retired the day before his death and elected a 50% joint and survivor annuity. This benefit is payable beginning immediately or when the employee would have reached age 55, if later. The cost of this coverage is subsidized by the Company.

Voluntary Early Retirement/Termination Program

Eligibility - Any participant at the Peotone Plant that elected voluntary termination or retirement due to the shifting of operations elsewhere, during the period from March 1, 1992 to April 10, 1992.

If the participant had attained age 55 with at least 10 years of Eligibility Service his monthly benefit payable June 1, 1992 would be determined using:

(a) his Credited Service as of March 1, 1992 plus 5 years, and
(b) his attained age as of March 1, 1992 plus 5 years.

If the participant had not met the requirements of age 55 and 10 years of Eligibility Service, he would become vested in his accrued benefit as of March 1, 1992 regardless of his age or duration of service.

Changes in Plan Provisions Since Last Actuarial Valuation

None.

Former Castle Rubber Plan

Effective Date

October 29, 1955 (as last restated effective January 1, 2002).

Normal Retirement

Eligibility – Age 65 or over with 5 or more years of Service (automatic at age 70).

Monthly Benefit – The normal retirement benefit is a monthly benefit, if paid on a straight-life basis, equal to the indicated Benefit Unit times years of Benefit Service:

Date of Retirement	Benefit Unit
Prior to 3/5/1996	$18.00
3/5/1996 – 7/19/1997	18.25
7/20/1997 – 7/18/1998	18.50
7/19/1998 – 7/17/1999	18.75
7/18/1999 – 7/15/2000	19.75
7/16/2000 – 7/14/2001	20.25
7/15/2001 & thereafter	20.75

Unreduced Early Retirement

Eligibility – On retirement after June 17, 1977 between ages 55 and 65 with at least 30 years of Service, or prior to age 55 with at least 30 years of Service and such that the sum of years of age and Service equals at least 85.

Monthly Benefit – An immediate benefit computed under the above benefit units, *unreduced* for early commencement.

Early Retirement

Eligibility – Age 55 with 20 or more years of Service.

Monthly Benefit – An immediate benefit computed under the above benefit units, using Service at time of early retirement, with reduction of 4/10% for each month retirement precedes age 65.

Disability Retirement

Eligibility – 10 or more years of Service.

Plan Name:	Park Ohio Industries and Subsidiaries Pension Plan
EIN / PN:	34-6520107/002
Plan Sponsor:	Park Ohio Industries, Inc.
Valuation Date:	January 1, 2023

Monthly Benefit – An immediate benefit equal to twice the accrued normal retirement benefit, unreduced for early commencement. If the employee is receiving Federal Social Security benefits for either disability or age, an immediate benefit equal to the accrued normal retirement benefit, unreduced for early commencement.

Nature of Benefit – A temporary benefit until age 65, subject to discontinuance upon recovery from disability. Normal retirement benefit is payable after age 65.

Termination Benefit

Eligibility – Termination of employment at any age and 5 or more years of Service.

Monthly Benefit – A benefit beginning at age 65 computed under the above benefit units, based on Service to time of termination. Benefit may begin as early as age 55 if employee had 20 years of Service; benefit would be reduced as under Early Retirement above.

Under the terms of the sale of operations, participants with less than 5 years of service were vested. Their benefits will be cashed out.

Pre-Retirement Spouse's Death Benefit

Eligibility – Vested married employees (and certain vested former employees) with 5 or more years of Service.

Nature of Benefit – May elect Death Benefit coverage prior to his actual retirement. In the event of death before retirement the spouse would receive the benefit she would have received if the employee had retired immediately before death and elected the Joint and Survivor form of annuity. If the employee elects this option his benefit is reduced to pay for this coverage as follows:

Period of Coverage	Benefit Reduction Per Year of Coverage
Below Age 45	.001
45 – 54	.002
55 – 64	.005

Form of Payment

An employee may elect to receive his benefit on a straight-life basis or on an actuarially equivalent Joint and Survivor basis. Unless otherwise elected, a benefit payable under the plan shall be paid:

1. On a 50% Joint and Survivor basis; of the employees that have a spouse; or
2. On a straight-life basis otherwise.

Changes in Plan Provisions Since Last Actuarial Valuation

None.

Former RB&W Hourly Plan – CHICAGO PLANT

Effective Date

September 1, 1950, as amended effective July 1, 1990. Effective December 31, 1993, this plan was merged into the RB&W Corporation Hourly Employees Pension Plan.

Participation

All bargaining unit employees at the location. The Plant was sold effective August 9, 1993. All benefit accruals were frozen as of that date.

Crediting of Service

a. Vesting Service - One year is credited for each Plan Year after January 1, 1976 in which at least 87 days of service are completed; service prior to January 1, 1976 is computed based upon the provisions of the Plan then in effect.

b. Credited Service - One year is credited for each plan year in which an employee works some part of 150 or more days. If an employee works less than 150 days but 87 or more days, 3/5 of a year is credited. No service is credited for less than 87 days. Service prior to January 1, 1976 is computed based upon the provisions of the Plan then in effect.

Normal Retirement

Eligible at age 65.

A monthly benefit, if paid on a straight life basis, equal to Years of Credited Service multiplied by the rate in effect at the time of retirement, as follows:

Retirement Date	Benefit Rate
Before 4/1/1985	$13.00
4/1/1985 - 3/31/1986	14.00
4/1/1986 - 6/30/1990	14.75
7/1/1990 - 6/30/1991	15.25
7/1/1991 - 6/30/1992	15.75
7/1/1992 and after	16.00

Early Retirement

Eligible at age 60 and 10 years of Vesting Service.

The accrued normal retirement pension payable at age 65 or a reduced pension payable immediately. The pension is reduced by 6/10 of 1% for each month that pension commencement precedes age 65.

Disability Retirement

Eligible if totally and permanently disabled after 10 years of Vesting Service.

The disability benefit is equal to the accrued normal retirement pension or $200 per month if greater.

Deferred Vested Termination

Eligible at any age and 5 years of Vesting Service.

The termination benefit is equal to the accrued normal retirement pension payable at age 65 or, if the participant has at least 10 years of Vesting Service, a reduced pension payable as early as age 60.

Pre-Retirement Spouse's Benefit

Eligible upon the death of an employee or former employee after completion of 5 years Vesting Service. There is no charge for this coverage.

If participant is over age 55 with 10 years of Vesting Service at the time of his death, his spouse receives a monthly lifetime pension equal to 50% of the participant's accrued benefit.

If the participant is under age 55 at the time of his death, his spouse will receive a lifetime monthly pension commencing on the first day of the month after the participant would have attained age 60. The pension is equal to 50% of the reduced amount he would have received if he had terminated employment as of the date of his death, survived to age 60, and elected the 50% Joint and Survivor option.

Form of Payment

An employee may elect to receive his benefit on a straight-life basis or on an actuarially equivalent Joint and Survivor basis. A married employee shall receive his benefit on a reduced 50% Joint and Survivor actuarially equivalent basis unless he elects (with consent of his spouse) an alternative form of benefit. A single employee shall receive his benefit on a life annuity basis. Other options are available.

Changes in Plan Provisions Since Last Actuarial Valuation

None.

Plan Name:	Park Ohio Industries and Subsidiaries Pension Plan
EIN / PN:	34-6520107/002
Plan Sponsor:	Park Ohio Industries, Inc.
Valuation Date:	January 1, 2023

Former RB&W Hourly Plan- CORAOPOLIS PLANT

Effective date

November 1, 1957, as amended effective February 27, 1996. Effective December 31, 1993, this Plan was merged into the RB&W Corporation Hourly Employees Pension Plan.

Plan Eligibility

Members of United Steelworkers of America, CIO, Local No. 3196 and all other employees on a full-time hourly pay basis at the Coraopolis, Pennsylvania location of the Corporation. The plant was closed effective April 1, 2002. All participants became retirees or vested terminations.

Normal Retirement Benefits

Eligible at age 65 and completion of five years of continuous service.

The monthly amount of benefit is equal to 1.1% of average monthly earnings for the 10 years preceding retirement multiplied by the number of years of continuous service to date of retirement not in excess of 30 years plus 1.2% of such compensation multiplied by the number of years of continuous service in excess of 30 years.

The above benefit is subject to a deduction on account of Social Security of $80 per month.

The minimum monthly benefit, per year of continuous service, is equal to:

Date of Retirement	Amount
1983	$14.50
1984	14.75*
1/1/1985 - 2/26/1989	15.00**
2/27/1989 - 2/29/1992	15.50
3/1/1992 - 2/28/1993	15.75
3/1/1993 - 2/23/1995	16.00
2/24/1995 - 2/28/1999	17.00
3/1/1999 - 2/28/2001	17.50
On or after 3/1/2001	19.50

* Also effective January 1, 1984 for participants who retired between March 1, 1983 and January 1, 1984.
** Also effective January 1, 1985 for participants who retired between March 1, 1983 and January 1, 1985.

Early Retirement Benefit

Eligible at age 60 and completion of 15 years of continuous service.

Any participant who has completed at least 30 years of continuous service and has attained the age of 60 years may retire at his option on a full early retirement benefit.

Any participant who has completed at least 15 years of continuous service and (i) has attained age 55 and whose combined age and years of continuous service equals 70 or more or (ii) whose combined age and years of continuous service equals 80 or more, and whose service is terminated by reason of a permanent shutdown, layoff or physical disability, may be retired on a special early retirement benefit. Any participant who has met these age and service requirements may be retired on a special early retirement benefit, under conditions mutually satisfactory to the participant and the Corporation.

The early retirement benefit is a deferred benefit, commencing at age 65, equal to the normal retirement benefit based on continuous service to the date of early retirement. In lieu of the deferred benefit, the participant may elect to receive a reduced benefit, commencing at a date between his early retirement date and normal retirement date, which is the actuarial equivalent of the deferred benefit.

The monthly benefit payable to a participant eligible for a full early retirement benefit is an immediate benefit equal to the normal retirement benefit based on service to the date of early retirement.

The monthly benefit payable to a participant eligible for a special early retirement benefit is an immediate benefit accrued to date of early retirement, except that the deduction of $80 per month is not applied until the participant becomes eligible to receive an unreduced Social Security benefit.

Disability Retirement Benefit

Eligible if totally and permanently disabled after 15 years of continuous service.

The monthly benefit payable to age 65 is equal to a normal retirement benefit computed on the earnings formula and based on continuous service to date of disability retirement, subject to reduction by any Social Security disability benefit payable, not in excess of $80 per month. The minimum monthly benefit is the larger of (a) $150, subject to reduction by any Social Security disability benefit payable, not in excess of $80 per month; or (b) an amount equal to the minimum monthly normal retirement benefit, without any deduction for Social Security benefits.

The monthly disability benefit described above is increased by $75 until an unreduced disability Social Security benefit is payable or until age 65, if earlier.

At age 65 the disability benefit is computed as a normal retirement benefit, with due regard to the minimum benefit amount, based on the participant’s continuous service to the time of disability.

Vested Retirement Benefit

Eligible after five years of continuous service, provided the participant is not eligible to receive any other retirement benefit under the Plan.

The benefit payable at age 65 is equal to the amount of normal retirement benefit under the Plan as in effect when his service terminated based on continuous service up to the date of termination of service.

In the event the participant had completed at least 15 years of continuous service on his date of termination, in lieu of the benefit payable at age 65, he may elect to receive a reduced benefit commencing at a date between age 60 and age 65, which is the actuarial equivalent of the benefit deferred to age 65.

Special Retirement Payment

In all cases of retirement except disability or deferred vested retirement, a special lump sum retirement payment is made equal to 13 weeks' pay at the rate of vacation pay applicable for the year of retirement reduced by the amount of any vacation pay received for that year. If the participant is not entitled to a vacation in the year of retirement, the benefit is equal to 13 weeks of vacation pay at the rate of pay applicable when he was last entitled to a vacation, reduced by the amount of vacation pay received for the year for which he was last entitled to a vacation. Regular monthly benefit payments commence after the three-month period for which the special retirement payment is made, or in the fourth month following the attainment of age 65, in the case of an early-deferred benefit.

Pre-Retirement Spouse's Benefit

Eligible upon the death of an employee after completion of 5 years of continuous service, provided the employee has been married to his current spouse for at least one year. There is no charge for this coverage.

If the participant is over age 60 with 15 years of continuous service at the time of death, his spouse receives a monthly lifetime pension equal to 50% of the reduced amount the participant would have received if he had retired as of the date of his death and elected the 50% Joint and Survivor annuity.

If the participant is under age 60 or has less than 15 years of continuous service at the time of his death, his spouse will receive a monthly lifetime pension commencing on the first day of the month after the participant would have attained his earliest commencement age equal to 50% of the reduced amount he would have received if he had terminated employment as of the date of his death, survived to his earliest commencement age and elected the 50% Joint and Survivor annuity.

Regular and Optional Forms of Retirement Benefits

Any temporary disability benefits and special retirement payments are payable as described above. Benefits payable for life are payable as described in (a), (b) and (c) below:

(a) If the participant is not married on the date his retirement benefit commences, the retirement benefit is equal to the benefit previously described in this summary, adjusted for any spouse's benefit coverage, and is payable for the life of the retired participant only.

(b) Unless a married participant elects otherwise, his retirement benefit is payable as a reduced benefit, in the form of a 50% joint and survivor annuity of equivalent actuarial value to the benefit in (a) above, which is payable during the retired participant's life, and after his death an allowance of one-half of the benefit payable to the retired participant is paid during the life of, and to, the retired participant's spouse.

(c) Prior to the date on which his retirement benefit begins, the participant may elect to convert his benefit into a benefit of equivalent actuarial value to the benefit otherwise payable on his account in accordance with one of the options described below.

Option 1. A benefit equal to the benefit in (a) above, payable for his life only, even if he has a spouse, at the date his retirement benefit commences.

Option 2. A reduced benefit in the form of a 75% or 100% joint and survivor annuity which is payable during the retired participant's lifetime, with the provision that, after his death, the reduced allowance will be continued to his spouse.

A participant is deemed to have retired on his date of death if his death occurs during employment and after his normal retirement date.

Plan Merger

Effective December 31, 1989, the Powdered Metal Products Hourly Employees Pension Plan was merged into this Plan, and benefit accruals for the former PMP participants were frozen as of such date.

Plant Shutdown Benefits

Special benefits were provided in conjunction with the Coraopolis shutdown:

a. The special early retirement benefit described above (rule of 70/80) was extended to participants whose combined age and years of service equaled 69 or more.

b. Participants were offered the option of receiving the lump sum value of the normal retirement benefit in lieu of a normal, early or deferred vested annuity benefit.

c. All participants received a $6,000 supplementary lump sum or the annuity equivalent.

d. The Special Retirement Payment was paid in addition to, rather than in lieu of, the first three months of the retirement benefit.

Changes in Plan Provisions Since Last Actuarial Valuation

None.

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Former RB&W Hourly Plan – KENT PLANT

Effective Date

January 2, 1959, as amended effective July 1, 1997. Effective December 31, 1993, this Plan was merged into the RB&W Corporation Hourly Employees Pension Plan.

Participation

All hourly-paid employees on the seniority list at the location. Participation is frozen effective September 1, 2003. The Kent division of the RB&W Hourly Plan shut down effective July 15, 2007.

Crediting of Service

a. Vesting Service - One year is credited for each Plan Year after January 1, 1976 in which at least 1,000 hours of service are completed; service prior to January 1, 1976 is computed based upon provisions of the Plan then in effect.

b. Credited Service - One year is credited for each Plan Year in which at least 1,600 hours of service are completed, with fractional service credited (to the nearest 1/10) for less than 1,600 hours.

Normal Retirement

Eligible at age 65.

A monthly benefit, if paid on a straight life basis, equal to Years of Credited Service multiplied by the rate in effect at the time of retirement, as follows:

Retirement Date	Benefit Rate
Before 1/1/1985	$13.00
1/1/1985 - 12/31/1985	13.50
1/1/1986 - 3/31/1989	14.00
4/1/1989 - 3/31/1990	14.25
4/1/1990 - 3/31/1991	14.75
4/1/1991 - 3/31/1992	15.00
4/1/1992 - 6/30/1996	15.75
7/1/1996 - 6/30/2000	16.00
7/1/2000 - 6/30/2001	16.25
7/1/2001 – 5/31/2006	18.25
6/1/2006 – 3/8/2007	20.25
3/9/2007 and after	21.00

Early Retirement

Eligible at age 60 and 10 years of Vesting Service.

The accrued normal retirement pension payable at age 65 or, alternatively, a reduced pension payable immediately. The pension is reduced by 6/10 of 1% for each month that pension commencement precedes age 65.

Disability Retirement

Eligible if totally and permanently disabled after 10 years of Vesting Service.

Prior to age 65, employee receives greatest of:

(1) twice the accrued normal retirement pension less any disability benefits payable under Social Security, or

(2) the accrued normal retirement pension, or

(3) $150 per month.

After age 65, the accrued normal retirement pension at time of disability is payable.

Deferred Vested Termination

Eligible at any age and 5 years of Vesting Service.

The accrued normal retirement pension payable at age 65 or, if the participant has at least 10 years of Vesting Service, a reduced pension payable as early as age 60.

Pre-Retirement Spouse's Benefit

Eligible upon the death of an employee or former employee after completion of 5 years Vesting Service. There is no charge for this coverage.

If the participant is over age 60 with 10 years of Vesting Service at the time of his death, his spouse receives a monthly lifetime pension equal to 50% of the participant's accrued benefit.

If the Participant is under age 60 at the time of his death, his spouse will receive a monthly pension commencing on the first day of the month after the participant would have attained age 60 equal to 50% of the reduced amount he would have received if he had terminated employment as of the date of his death, survived to age 60, and elected the 50% Joint and Survivor option.

Supplement

Eligible if age 62 by January 10, 1994 and retire early during the interim period.

A supplement of $150 per month is payable until age 65.

Form of Payment

An employee may elect to receive his benefit on a straight-life basis or on an actuarially equivalent Joint and Survivor basis. Unless otherwise elected, any benefit payable under the Plan shall be paid:

1. On a 50% Joint and Survivor basis; if the employee has been married to his current spouse for at least one year; or

2. On a straight-life basis otherwise.

Changes in Plan Provisions Since Last Actuarial Valuation

None.

Former RB&W Hourly Plan – ROCK FALLS PLANT

Effective Date

January 1, 1960, as amended and restated effective June 1, 1990. Effective December 31, 1993, this Plan was merged into the RB&W Corporation Hourly Employees Pension Plan.

Participation

All employees on a full-time, hourly-pay basis at the Rock Falls, Illinois location of the Corporation. The Plant was sold effective August 9, 1993. All benefit accruals were frozen as of that date.

Normal Retirement Benefit

Eligible at age 65 and 5 years of continuous service.

The monthly amount of benefit is equal to 1.1% of average monthly earnings for the 10 years preceding retirement multiplied by the number of years of continuous service to date of retirement not in excess of 30 years plus 1.2% of such compensation multiplied by the number of years of continuous service in excess of 30 years.

The above benefit is subject to a deduction on account of Social Security of $80 per month.

The minimum monthly benefit, per year of continuous service, is equal to:

Date of Retirement	Amount
June 1, 1990 through May 31, 1991	$16.25*
June 1,1991 and after	$16.75**

* Also effective as of June 1, 1990 for participants who retired on or after April 9, 1990.
** Also effective as of June 1, 1991 for participants who retire on or after April 9, 1990.

In computing the above minimum benefit, there is no deduction on account of Social Security benefits.

Early Retirement Benefit

Eligible at age 60 and 15 years of continuous service.

Any participant who has completed at least 30 years of continuous service and has attained the age of 60 years may retire at his option on a full early retirement benefit. Any participant who has completed at least 15 years of continuous service and (i) has attained age 55 and whose combined age and years of continuous service equals 70 or more or (ii) whose combined age and years of continuous service equals 80 or more, and whose service is terminated by reason of permanent shutdown, layoff or physical disability, may be retired on a special early retirement benefit. Any participant who has met

these age and service requirements may be retired on a special early retirement benefit under conditions mutually satisfactory to the participant and the Corporation.

The early retirement benefit is a deferred benefit, commencing at age 65, equal to the normal retirement benefit based on continuous service to the date of early retirement. In lieu of the deferred benefit, the participant may elect to receive a reduced benefit, commencing at a date between his early retirement date and normal retirement date, which is the actuarial equivalent of the deferred benefit.

The monthly benefit payable to a participant eligible for a full early retirement benefit is an immediate benefit equal to the normal retirement benefit based on service to the date of early retirement.

The monthly benefit payable to a participant eligible for a special early retirement benefit is an immediate benefit accrued to date of early retirement, except that the deduction of $80 per month is not applied until the participant becomes eligible to receive an unreduced Social Security benefit.

Disability Retirement Benefit

Eligible at any age if totally and permanently disabled with 15 years of continuous service.

The monthly benefit payable to age 65 is equal to a normal retirement benefit computed on the earnings formula and based on continuous service to date of disability retirement, subject to reduction by any Social Security disability benefit payable, not in excess of $80 per month. The minimum monthly benefit is the larger of (a) $150, subject to reduction by any Social Security disability benefit payable, not in excess of $80 per month; or (b) an amount equal to the minimum monthly normal retirement benefit, without any deduction for Social Security benefits.

The monthly disability benefit described above is increased by $75 until an unreduced disability Social Security benefit is payable or until age 65, if earlier.

At age 65, the disability benefit is recomputed as a normal retirement benefit, with due regard to the minimum benefit amount, based on the participant’s continuous service to the time of disability.

Vested Retirement Benefit

Eligible at any age with 5 years of continuous service.

The benefit payable at age 65 is equal to the amount of normal retirement benefit under the Plan as in effect when his service terminated based on continuous service up to the date of termination of service.

In the event the participant had completed at least 15 years of continuous service on his date of termination, in lieu of the benefit payable at age 65, he may elect to receive a reduced benefit, commencing at a date between age 60 and age 65, which is the actuarial equivalent of the benefit deferred to age 65.

Special Retirement Payment

In all cases of normal and early retirement, a special retirement payment is made equal to 520 times the participant's average straight-time hourly base rate during the last 13 weeks worked by him prior to retirement, reduced by the amount of any vacation pay paid to him since the June 1 immediately preceding his retirement. Regular monthly benefit payments commence on the first of the month nearest the expiration of the period for which the special payment is made.

Pre-Retirement Spouse's Benefit

Eligible upon the death of an employee after completion of five years of continuous service, provided the employee has been married to his current spouse for at least one year. There is no charge for this coverage.

If the participant is over age 60 with 15 years of continuous service at the time of his death, his spouse receives a lifetime pension equal to 50% of the reduced amount the participant would have received if he had retired as of the date of his death and elected the 50% Joint and Survivor annuity.

If the participant is under age 60 or has less than 15 years of continuous service at the time of his death, his spouse will receive a monthly lifetime pension commencing on the first day of the month after the participant would have attained his earliest commencement age equal to 50% of the reduced amount he would have received if he had terminated employment as of the date of his death, survived to his earliest commencement age and elected the 50% Joint and Survivor annuity.

Regular and Optional Forms of Retirement Benefits

Any temporary disability benefits and special retirement payments are payable as described above. Benefits payable for life are payable as described in (a), (b) and (c) below.

(a) If the participant is not married on the date his retirement benefit commences, the monthly retirement benefit is equal to the benefit previously described in this summary, adjusted for any spouse's benefit coverage, and is payable for the life of the retired participant only.

(b) Unless a married participant elects otherwise, his retirement benefit is payable as a reduced benefit, in the form of a 50% joint and survivor annuity of equivalent actuarial value to the benefit in (a) above, which is payable during the retired participant's life, and after his death an allowance of one-half the benefit payable to the retired participant is paid during the life of, and to, the retired participant's spouse.

(c) Prior to the date on which his retirement begins, the participant may elect to convert his benefit into a benefit of equivalent actuarial value to the benefit otherwise payable on his account in accordance with one of the options described below.

Option 1. A benefit equal to the benefit in (a) above, payable for his life only, even if he has a spouse, at the date his retirement benefit commences.

Option 2. A reduced benefit in the form of a 75% or 100% Joint and Survivor annuity which is payable during the retired participant's lifetime, with the provision that, after his death, the reduced allowance will be continued to his spouse.

A participant is deemed to have retired on his date of death if his death occurs during employment and after his normal retirement date.

Changes in Plan Provisions Since Last Actuarial Valuation

None.

Former Contract Unit Employees at Cleveland, Ohio (RB&W Cleveland Plan)

Effective Date

March 17, 1973, as amended most recently effective February 20, 1989.

Effective January 1, 2007, this plan was merged into the Park-Ohio Industries, Inc. and Subsidiaries Pension Plan.

Participation

Members of the International Union, United Automobile, Aerospace and Agricultural Implement Workers of America and all other full-time hourly-pay basis employees at the Cleveland, Ohio location of the Corporation.

Normal Retirement Benefit

Eligible at age 65 and completion of 5 years of creditable service.

The monthly normal retirement benefit is equal to:

(i) $8.00 multiplied by the years of creditable service at retirement for employees who retire on or after August 1, 1977 but before October 5, 1978;

(ii) $9.00 multiplied by the years of creditable service at retirement for employees who retire on or after October 5, 1978 but before September 1, 1979;

(iii) $9.50 multiplied by the years of creditable service at retirement for employees who retire on or after September 1, 1979 but before September 1, 1980;

(iv) $10.00 multiplied by the years of creditable service at retirement for employees who retire on or after September 1, 1980, but before February 20, 1989; or

(v) $11.50 ($13.00 effective July 1, 1990) multiplied by the years of creditable service at retirement for employees who retire on or after February 20, 1989.

Early Retirement Benefit

Eligible at age 60 and completion of 10 years of creditable service.

The early retirement benefit is a deferred benefit, beginning at normal retirement date, equal to the normal retirement benefit accrued to date of early retirement. In lieu of the deferred benefit, the employee may elect to receive an immediate benefit, commencing at any time between his early retirement date and his normal retirement date, equal to the deferred benefit reduced by 5/8 of 1%

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multiplied by the number of months from his benefit commencement date to his normal retirement date.

Disability Retirement Benefit

Eligible if totally and permanently disabled after ten years of creditable service.

The disability retirement benefit is equal to the normal retirement benefit accrued to date of disability plus, until the earlier of when the employee is eligible for disability benefits under Social Security or age 65, an additional benefit equal to the normal retirement benefit accrued to date of disability.

Vested Retirement Benefit

Eligible after the completion of five years of creditable service but before being eligible for any other benefit under the Plan.

The benefit is a deferred benefit commencing at normal retirement date and is equal to the normal retirement benefit accrued to date of termination. In lieu of the deferred benefit commencing at normal retirement, the employee with at least 10 years of creditable service may elect to receive a benefit commencing at any time between age 60 and 65 equal to the deferred benefit reduced by 5/8 of 1% multiplied by the number of months from his benefit commencement date to his normal retirement date.

Pre-Retirement Spouse's Benefit

Upon the death of an employee after completion of 5 years of creditable service, the spouse of this employee is eligible to receive a spouse's benefit provided the employee has been married to his current spouse for at least one year. There is no charge for this coverage.

If the participant is over age 60 at the time of his death, his spouse receives a monthly lifetime pension equal to 55% of the reduced amount the participant would have received if he had retired as of the date of his death and elected the 55% joint and survivor basis.

If the participant is under age 60 at the time of his death, his spouse will receive a monthly lifetime pension commencing on the first day of the month after the participant would have attained age 60 equal to 55% of the reduced amount he would have received if he had terminated employment as of the date of his death, survived to age 60, and elected the 55% joint and survivor basis.

Regular and Optional Forms of Retirement Benefits

Any temporary disability benefits are payable as described above. Benefits payable for life are payable as described in (a), (b) and (c) below:

(a) If the employee is not married on the date his retirement benefit commences, the annual retirement benefit is equal to the benefit previously described in this summary, adjusted for any spouse's benefit coverage, and is payable for the life of the retired employee only.

(b) Unless a married employee elects otherwise, his retirement benefit is payable as a reduced benefit, in the form of a 55% joint and survivor annuity of equivalent actuarial value to the benefit in (a) above, which is payable during the retired employee's life, and after his death an allowance of 55% of the benefit payable to the retired employee is paid during the life of, and to, the retired employee's spouse.

(c) Prior to the date on which his retirement benefit begins, the employee may elect to convert his benefit into a benefit of equivalent actuarial value to the benefit otherwise payable on his account in accordance with one of the options described below.

Option 1. A benefit equal to the benefit in (a) above, payable for his life only, even if he has a spouse, at the date his retirement benefit commences.

Option 2. A reduced benefit in the form of a 75% or 100% joint and survivor annuity which is payable during the retired employee's lifetime, with the provision that, after his death, the reduced allowance will be continued to his spouse.

An employee is deemed to have retired on his date of death if his death occurs during employment and after his normal retirement date.

Increase in Benefits to Retired Employees

Effective with monthly pension payments commencing October 1978, for all employees who had retired, the normal retirement benefit rate is increased by $.50 multiplied by the number of years of service on which the retirement benefit was calculated.

Change in Plan Provisions Since Last Actuarial Valuation

None.

Former RB&W Cleveland - PORT CHESTER

Effective Date

November 1, 1957, as amended and restated effective January 1, 1989.

The RB&W Port Chester Plan was merged into the RB&W Cleveland Plan in 2000.

Effective January 1, 2007, RB&W Cleveland Plan was merged into the Park-Ohio Industries, Inc. and Subsidiaries Pension Plan.

Participant

Participants who had retired under the plan prior to April 14, 1973, participants who had retired under the IAM Labor/Management Pension Plan and participants on a full-time hourly-pay basis who met the eligibility requirements for either a normal or early retirement benefit and whose service was terminated by the closing of the Port Chester plant.

Normal Retirement

Any participant who has completed 15 years of continuous service and has attained the age of 65 years is eligible to receive a benefit upon his retirement.

The annual amount of the benefit is equal to number of years of continuous service, limited to 35 years, multiplied by $42 for a participant who retires under this Plan on or after January 1, 1969.

Early Retirement

Any participant who has completed at least 15 years of continuous service, whose combined age and years of continuous service equals 70 or more and whose service is terminated due to the closing of the Port Chester Plant is eligible to receive an early retirement benefit.

The early retirement benefit is a deferred benefit, commencing at age 65, equal to the normal retirement benefit based on service to the date of early retirement. In lieu of the deferred benefit, the participant may elect to receive an immediate benefit commencing at the later of the date of early retirement or age 55, which is the actuarial equivalent of the deferred benefit.

Substitute Retirement

Any former participant whose service was terminated after October 13, 1970 and prior to March 15, 1973 and who was then eligible for and has received benefits under the IAM Plan is eligible to receive a substitute retirement benefit.

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The substitute retirement benefit commences in the month following the former participant's receipt of his last payment under the IAM Plan and is equal to one of the following: (i) If the former participant had attained age 65 on his date of termination, his substitute retirement benefit is equal to the normal retirement benefit based on his continuous service to date of termination. (ii) If the former participant had not attained age 65 on his date of termination, his substitute retirement benefit is equal to an early retirement benefit computed as if his benefit had commenced immediately on his date of termination.

If the former participant had elected and received a lump sum cash payment from the IAM Plan in lieu of a portion of his benefit from the IAM Plan, then the benefit computed in (i) or (ii) above is reduced in the same proportion that his IAM Plan benefit was reduced for such election.

Changes in Plan Provisions Since Last Actuarial Valuation

None.

Former Industrial Fasteners Split Funded Defined Benefit Pension Plan, later renamed the Integrated Logistics Holding Corp. Pension Plan

Effective Date

Effective April 1, 2007, the plan was merged into the Park Ohio and Subsidiaries Pension Plan.

Participation

Employers of Industrial Fasteners LLC who have attained age 21 and completed one year of service. The plan was closed to new entrants as of December 31, 1999.

Average Monthly Compensation

Average of the highest five consecutive calendar years of compensation overall years of participation.

Normal Retirement

Eligibility – April 1 nearest age 65.

Plan Years Beginning Before January 1, 1994
(1) 33% of Average Monthly Compensation plus (2) 22.75% of Average Monthly Compensation in excess of 1/12th of Covered Compensation. Both (1) and (2) are reduced by 1/35 for each year of service less than 35.

Plan Years Beginning After December 31, 1993
(1) 33% of Average Monthly Compensation plus (2) 20% of Average Monthly Compensation in excess of 1/12th of Covered Compensation. Both (1) and (2) are reduced by 1/35 for each year of service less than 35.

Early Retirement

Plan provisions do not provide for early retirement.

Disability Retirement

Eligibility - Totally and Permanently Disabled with this condition continuing for six (6) months. There are no age or service requirements.

Monthly Benefit – Actuarial Equivalent of the accrued benefit.

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Termination Benefit

Monthly Benefit – Percentage of the normal retirement benefit payable at his normal retirement date. The percentage is based on the vesting schedule below:

Years of Service	Percentage
Less than 3	0%
3	20%
4	40%
5	60%
6	80%
7	100%

The benefit may commence at any age. It is reduced by 1/15 for each of the first 5 years preceding normal retirement age and 1/30 for each of the next 5 years. An actuarial reduction applies for each additional year.

Late Retirement

Eligibility – Over Age 65.

An immediate benefit equal to the greater of i) the benefit accrued at the participant's Normal Retirement Date actuarially increased to the actual retirement date and ii) Accrued Benefit as of the actual retirement date.

Pre-Retirement Spouse's Death Benefit

Eligibility – Vested participants (including terminated employees not yet receiving benefits) who are married. There is no charge for the coverage.

Monthly Benefit – A death benefit, commencing at the date of the participant death, equal to 50% of that to which the participant would have been entitled had he i) terminated the day before his death, ii) elected an immediate commencement date, and iii) elected the 50% joint and survivor annuity form.

Lump sum – The spouse may elect a lump sum equal to the actuarial equivalent of the monthly spouse benefit.

Regular and Optional Forms of Retirement Benefits

The normal form is a life annuity with the first 120 monthly payments guaranteed.

Joint and Survivor Annuity – monthly payments for the life of the participant with 50%, 75% or 100% of the benefit continuing to the beneficiary.

Lump sum – actuarial equivalent of the normal retirement benefit. A benefit with present value less than $5,000 is automatically paid as a lump sum.

Changes in Plan Provisions Since Last Actuarial Valuation

None.

Former Ohio Crankshaft Pension Plan, later renamed the Pension Plan for Local 91 Bargaining Unit Employees

Effective Date

October 1, 1959.

Effective October 1, 2009, this plan was merged into the Park-Ohio Industries, Inc. and Subsidiaries Pension Plan. It was amended most recently effective December 18, 2018.

Coverage and Participation

Member of Bargaining Unit.

Normal Retirement Benefit

Eligibility – Age 65.

Benefit – The monthly benefit, if paid on a straight-life basis, is equal to $27.00 per year of Credited Benefit Service for retirements prior to January 1, 2017 and is equal to $30.00 per year of Credited Benefit Service for retirements on or after January 1, 2017.

Early Retirement Benefit

Eligibility – Age 55 with at least 10 years of Credited Benefit Service (age 50 with 30 years of Credited Benefit Service).

After age 62, or after age 55 with the sum of age and years of Credited Benefit Service at least equal to 85, or after age 50 with 30 years of Credited Benefit Service, the employee receives an unreduced normal pension.

Otherwise, the employee receives his accrued normal retirement pension payable at age 65 or, alternatively, an immediate benefit reduced by 6/10% for each complete calendar month prior to age 65 but not under age 60, plus 4/10% for each completed calendar month prior to age 60 but not under age 55.

Employees who retire after age 50 with at least 30 years of Credited Benefit Service receive a Temporary Early Retirement Supplement to age 62, such that the Total monthly benefit is not less than $1,000. At age 62 the benefit reverts to the Normal Retirement Benefit above (applies to retirements on or after August 1, 1992.)

Disability Benefit

Eligibility - On total and permanent disability resulting in retirement after January 31, 1971 with at least 10 years of Credited Benefit Service.

Benefit – The accrued normal retirement pension plus a temporary monthly pension of $7.00 per year of credited service up to a maximum of $175 monthly. The temporary pension ceases at age 65 or when the employee becomes eligible for an unreduced Social Security benefit.

Vested Benefits Upon Termination of Service

Eligibility – Any age and 5 years of Vesting Service (10 years for employees who terminated prior to October 1, 1989). All participants became fully vested in their accrued benefits as of December 16, 2009, due to an asset transfer under IRC 420. Similar asset transfers have occurred annually since 2009, resulting in full and immediate vesting each December.

Benefit – The accrued normal retirement pension payable at age 65 or, alternatively, an actuarially reduced pension payable as early as age 55 if the employee meets the service requirements for early retirement.

Pre-Retirement Spouse's Benefit

Eligibility – A married vested employee who is still working or a vested former employee is automatically eligible unless he elects to waive the Surviving Spouse Benefit.

Benefit – The surviving spouse will receive the benefit she would have received if the employee had retired on the first day of the month of his death or, if later, at age 55, and had elected a 50% Joint and Survivor option. Deferred vested benefits are actuarially reduced to pay for this coverage.

Form of Payment

An employee may elect to receive his benefit on a straight-life basis or on an actuarially equivalent 50% or 75% Joint and Survivor basis. Unless otherwise elected, any benefit payable under the Plan shall be paid on a 50% Joint and Survivor basis, if the employee has been married to his current spouse for at least one year or on a straight-life basis otherwise.

Post-Retirement Benefit Increases

Certain increases were effective January 1, 1981, August 1, 1981 and August 1, 1982 for participants (other than former deferred vested participants or their beneficiaries) who retired prior to those dates.

Special Strike Settlement Agreement Benefits Effective June 29, 1992

Active Strikers: A participant who is classified as an Active Striker under the terms of the Strike Settlement Agreement, is age 50 with at least 25 years of Credited Benefit Service, and retires by August 1, 1992 is eligible to receive his regular monthly benefit determined by using his Credited

Benefit Service (inclusive of the 9 years of Credited Benefit Service granted during the duration of the strike) and an $18.00 benefit unit commencing at age 62, and a temporary supplemental benefit payable to age 62, such that the total of this supplement and the unreduced monthly benefit determined above is not less than $500 per month.

Class Eligible Employees: If a participant classified as a Class Eligible Employee retires under the provisions of the Plan, his benefit will be determined using the additional 9 years of Credited Benefit Service granted for the duration of the strike.

Certain Retired Participants: If a member of the Bargaining Unit retired during the strike (between July 11, 1983 and May 28, 1992) that retired participant will have his monthly pension benefit re-determined using an $18.00 benefit unit.

Changes in Plan Provisions Since Last Actuarial Valuation

None

Former Pension Plan for Certain Hourly-Rated Employees of Canton Drop Forge

Plan Provisions

Effective December 31, 2018, this plan was merged into the Park-Ohio Industries, Inc. and Subsidiaries Pension Plan. It was amended most recently effective December 31, 2018.

Covered employees

All hourly employees of Plant B hired before February 27, 2005 will be Plan participants on their date of hire.

Participation freeze

Plan participation is frozen as of February 27, 2005.

Definitions

Pension service

A participant's continuous service shall be equal to the elapsed time of employment measured from the date of hire to the termination date of an employee.

Normal retirement date (NRD)

First of month coinciding with or next following the attainment of age 65.

Monthly pension benefit

A monthly life annuity starting at age 65 based on retirement date.

Calculated as credited service up to 20 years times Rate A shown below, plus credit service in excess of 20 years times Rate B shown below, up to the applicable maximum service:

Retirement Date	Rate A	Rate B	Maximum Service
3/06/1996 – 3/01/1997	$21.50	$27.50	
3/02/1997 – 3/01/1998	22.25	28.25	
3/02/1998 – 3/01/1999	23.00	29.00	
3/02/1999 – 2/26/2000	24.00	30.00	
2/27/2000 – 2/26/2001	26.00	31.00	42
2/27/2001 – 2/26/2002	27.00	32.00	42
2/27/2002 – 2/26/2003	28.00	34.00	42
2/27/2003 – 2/26/2004	29.00	37.00	43
2/27/2007 – 12/31/2007	31.00	41.00	43
1/01/2008 – 2/28/2014	34.00	44.00	43
3/01/2014 – 2/26/2017	34.50	44.50	43
2/27/2017 and later	35.25	45.25	43

Plan Name: Park Ohio Industries and Subsidiaries Pension Plan
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Actuarial Equivalence Basis	1983 Group Annuity Mortality Table (male rates for participants and female rates for beneficiaries) and an interest rate of 6%

Eligibility for Benefits

Normal retirement	Retirement on NRD
Early retirement	55/30 Early Retirement – Attainment of age 55 and 30 years of continuous service 60/25 Early Retirement – Attainment of age 60 and 25 years of continuous service 60/15 Early Retirement – Attainment of age 60 and 15 years of continuous service
Late retirement	After age 65 and five years of participation
Deferred vested termination	Termination after five years of continuous service.
Disability	Permanent and total disability at any age with at least 15 years of continuous service.
Surviving Spouse's Benefit	Death of an active employee after the age of 50 with at least 15 years of Continuous Service
Preretirement death benefit	Death when 100% vested and not eligible for the Surviving Spouse's Benefit.
Supplemental Benefit	■ Participants who retire between March 1, 1997 and February 28, 1999, who are eligible for the "60/25 Early Retirement" and who have yet to attain age 65 ■ Participants who retire between February 27, 2005 and February 26, 2008, who are eligible for the "60/25 Early Retirement" or "55/30 Early Retirement" and who have yet to attain age 65 ■ Participants who retire after February 27, 2014, who are eligible for the "60/25 Early Retirement" or "55/30 Early Retirement" and who have yet to attain age 65

Amount of Benefits

Normal retirement	The accrued benefit.
Early retirement	55/30 Early Retirement – The accrued benefit 60/25 Early Retirement – The accrued benefit 60/15 Early Retirement – The vested benefit commences in full at age 65, or as early as age 60 in a reduced amount equal to the actuarial equivalent of the accrued benefit at age 65.
Late retirement	The accrued benefit calculated using service accrued through the actual retirement date and the benefit unit in effect at termination.
Deferred vested termination	The accrued benefit commencing at age 65. If the participant has at least 15 years of continuous service, they can retire after age 60 under the "60/15 Early Retirement" provisions.
Disablement	The accrued benefit at the time of disability is payable on an unreduced basis.
Surviving Spouse's Benefit	50% of the benefit as though the employee had elected to retire the day before death assuming the employee's age at death was at least 65. This benefit shall be reduced by ½% for each year the spouse is under the age of 50. After the spouse's attainment of age 65 the benefit will be 50% of the actuarially reduced benefit assuming the employee had retired at normal retirement age and accepted the 50% joint and survivor benefit.
Preretirement death	50% of the benefit the employee would have received if he would have elected the 50% Joint and Survivor benefit the day before his death. If the employee has not yet attained age 60, the benefit is calculated using service on the date of death and assuming the employee survived to age 60. The benefit is payable at the later of when the employee would have been age 60 or at the employee's death.
Supplemental Benefit	■ Participants who retire between March 1, 1997 and February 28, 1999: $100 ■ Participants who retire between February 27, 2005 and February 26, 2008: $200 ■ Participants who retire after February 27, 2014: $200 These supplemental benefits will be paid until the earlier of the attainment of age 65 or the death of the participant.

Other Plan Provisions

Pension Increases	Those participants who retire from active status during the term of the union contract will receive an increase in their pension as the benefit unit increases.
Optional Forms of Payment	Life Annuity, Joint and 50% Survivor Annuity, Joint and 75% Survivor Annuity
Maximum limits on benefits and pay	All benefits and pay for any calendar year may not exceed the maximum limitations for that year as defined in the Internal Revenue Code. The plan provides for increasing the dollar limits automatically as such changes take effect. Increases in the dollar limits are not assumed for funding or AFTAP purposes.

Future Plan Changes

WTW is not aware of any future plan changes that are required to be reflected.

Changes in Benefits Valued Since Prior Year

None

SCHEDULE SB ATTACHMENTS

Cash Balance Plan

Effective Date

April 1, 2011 (as amended most recently effective October 1, 2022).

Coverage and Participation

Coverage is as defined under Covered Employment Classifications in the plan document. In general, employees of the Parent Company and most Related Companies are covered, with the exception of some bargained employees.

Participation for covered employees begins on the first Entry Date following:

(a) Attainment of age 21, and

(b) Prior to October 1, 2022, the Employee's completion of two years of Eligibility Service. Effective October 1, 2022, the Employee's completion of 30 days of Eligibility Service.

Covered Employees who have attained age 21 and with 30 days of eligibility service and less than two years of eligibility service as of October 1, 2022 are immediately eligible to participate and such eligibility service will be treated as vesting service.

Entry Date

On and after October 1, 2022, the first day of a calendar month.

Prior to October 1, 2022 the first day of January, April, July and October, with April 1, 2011 being the first Entry Date. Employees of the Bates division began accruing benefits under the cash balance formula effective January 1, 2016. Employees of the Fluid Routing Solutions division began accruing benefits under the cash balance formula effective January 1, 2018. Employees of the Autoform division began accruing benefits under the cash balance formula effective January 1, 2019.

Vesting

On and after October 1, 2022, participants become 100% vested in their accrued benefit after attaining two years of vesting service.

Prior to October 1, 2022, covered employees became 100% vested in their accrued benefit upon their entry date, as defined at that time.

Plan Name:	Park Ohio Industries and Subsidiaries Pension Plan
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Plan Sponsor:	Park Ohio Industries, Inc.
Valuation Date:	January 1, 2023

SCHEDULE SB ATTACHMENTS

Cash Balance Account

Initial balance: The starting balance in the cash balance account as of April 1, 2011 is zero.

Pay credits: Pay credits equal to 2% of pay are deposited at the end of each quarter from April 1, 2011 to December 31, 2017. Pay credits equal to 2.50% of pay for each quarter from December 31, 2017 to June 30, 2020 are deposited at the end of each quarter. Pay credits equal to 3.00% of pay for each quarter after June 30, 2021 are deposited at the end of each quarter effective July 1, 2021. Pay is limited to the amounts provided under IRC Section 401(a)(17).

Interest credits: Interest credits are applied quarterly equal to the quarterly interest rate equivalent of the average yield on nominal 1-year Treasury constant maturities for the second month of the preceding Plan Year Quarter, as reported in Federal Reserve Statistical Release H.15. Notwithstanding the foregoing, in no event shall the interest rate for a Plan Year Quarter be less than a rate that is equivalent of a 3.00% annual rate or greater than a rate that is equivalent of a 7.00% annual rate. Interest is credited until the date of commencement of benefits.

Normal Retirement

Eligibility – Age 65.

Monthly Benefit – The normal retirement benefit is a monthly pension payable for life commencing at age 65 equal to the actuarial equivalent of the participant's cash balance account. Actuarial equivalence is based on the IRC 417(e) assumptions in effect at the annuity starting date.

Form of Payment

An employee may elect to receive his benefit as a single lump sum equal to the cash balance account, on a single-life annuity basis or on an actuarially equivalent 50% or 100% Joint and Survivor annuity basis. A married employee shall receive his benefit on a reduced 100% Joint and Survivor actuarially equivalent annuity basis unless he elects (with consent of his spouse) an alternative form of benefit. The same forms of payment apply to vested terminated participants. A terminated participant who defers commencement retains the right to elect a lump sum.

If the cash balance account is less than $5,000 at termination of employment, the benefit will automatically be distributed in lump sum form. For Metalloy employees with accrued benefits under the former Metalloy Plan, the $5,000 threshold applies to total benefit value.

Vested Benefits Upon Termination of Service

Termination Benefit – The deferred vested monthly pension, commencing on or prior to the Normal Retirement Date, is the actuarial equivalent of the participant's cash balance account. Other than plan participation requirements, there are no age or service requirements for early benefit commencement.

Plan Name:	Park Ohio Industries and Subsidiaries Pension Plan
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Disability Benefits

There is no distinction between termination due to disability and termination due to other causes.

Late Retirement Benefits

Pay credits and interest credits will continue past normal retirement date. For participants other than 5% owners, there will be no commencement of payment prior to termination of employment. An actuarial increase is applied to the benefit for periods of employment beyond April 1 of the year after the year in which age 70.5 is attained.

Death Benefits Before Retirement

If a vested active or vested terminated participant dies prior to benefit commencement, his beneficiary shall receive a lump sum benefit equal to the participant's cash balance account as of the date of death. If there is no designated beneficiary, payment will be made to the estate.

If the beneficiary is the participant's surviving spouse, the beneficiary may elect to receive the benefit as a 100% Joint and Survivor annuity.

If a participant is not vested and dies before the commencement date of all or any portion of the participant's accrued benefit, no death benefit shall be payable to any person on account of the death of the participant, and the participant's account shall be forfeited.

There is no charge for pre-retirement death benefit coverage.

Changes in Plan Provisions since Last Actuarial Valuation

On November 23, 2022 the Cash Balance Plan was amended effective October 1, 2022 to:

- Allow Covered Employees to participate in the Plan after attaining age 21 and 30 days of Eligibility Service

- Change vesting requirements for participants on and after October 1, 2022, to become 100% vested in their accrued benefit after attaining two years of Vesting Service

Plan Name	**PARKOHIO INDUSTRIES AND SUBSIDIARIES PENSION PLAN**
Plan Sponsor EIN	**34-6520107**
ERISA Plan #	**002**
Plan Year Ending	**12/31/2023**

The required attachment marked with an "X" in the Attachment column is included within the Accountant's Opinion attachment to Sch. H, Part III, Line 3, which consists of the entire audit report issued by the plan's Independent Qualified Public Accountant (IQPA).

Form/Schedule	Line #	Description	Attachment
5500 Sch. H	Line 3	Financial statements used in formulating the IQPA's opinion	X
5500 Sch. H	Line 4i	Schedule of Assets (Held at End of Year)	X
5500 Sch. H	Line 4i	Schedule of Assets (Acquired and Disposed of Within Year)	
5500 Sch. H	Line 4j	Schedule of Reportable Transactions	X
5500 Sch. H	Line 4a	Schedule of Delinquent Participant Contributions	

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 24
Change in Actuarial Assumptions

- The cash balance interest crediting rate assumption was increased from 3.00% to 4.00% for 2023 and beyond.

Plan Name:	Park Ohio Industries and Subsidiaries Pension Plan
EIN / PN:	34-6520107/002
Plan Sponsor:	Park Ohio Industries, Inc.
Valuation Date:	January 1, 2023