

Form 5500-SF

Department of the Treasury Internal Revenue Service

Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation

Short Form Annual Return/Report of Small Employee Benefit Plan

This form is required to be filed 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-SF.

OMB Nos. 1210-0110 1210-0089

2024

This Form is Open to Public Inspection

Part I Annual Report Identification Information

For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024

- A This return/report is for: [X] a single-employer plan [] a multiple-employer plan (not multiemployer) (Pension Plan filers checking this box must attach Schedule MEP. Other plans must attach a list of participating employer information in accordance with the form instructions.)
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 Check box if filing under: [X] Form 5558 [] automatic extension [X] DFVC program [] special extension (enter description)
D If the plan is a collectively-bargained plan, check here []
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: RETIREMENT PLAN FOR EMPLOYEES OF JOHN J. MANLEY, INC.
1b Three-digit plan number (PN): 002
1c Effective date of plan: 01/01/1975
2a Plan sponsor's name (employer, if for a single-employer plan): JOHN J. MANLEY, INC.
2b Employer Identification Number (EIN): 23-1284736
2c Sponsor's telephone number: 610-853-4900
2d Business code (see instructions): 524210
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.
4b EIN
4d PN
5a Total number of participants at the beginning of the plan year: 7
5b Total number of participants at the end of the plan year: 7
5c(1) Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item)
5c(2) Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)
5d(1) Total number of active participants at the beginning of the plan year: 1
5d(2) Total number of active participants at the end of the plan year: 1
5e Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested: 0

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, if applicable, a Schedule SB or Schedule MB completed and signed by an enrolled actuary, 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.

Table with 4 columns: SIGN HERE, Signature of plan administrator, Date, Enter name of individual signing as plan administrator. Row 1: Filed with authorized/valid electronic signature, 11/19/2025, PAMELA HANNOLD. Row 2: Signature of employer/plan sponsor, Date, Enter name of individual signing as employer or plan sponsor.

- 6a** Were all of the plan's assets during the plan year invested in eligible assets? (See instructions.) Yes No
- b** Are you claiming a waiver of the annual examination and report of an independent qualified public accountant (IQPA) under 29 CFR 2520.104-46? (See instructions on waiver eligibility and conditions.) Yes No
- If you answered "No" to either line 6a or line 6b, the plan cannot use Form 5500-SF and must instead use Form 5500.**
- c** If the plan is a defined benefit plan, is it covered under the PBGC insurance program (see ERISA section 4021)? Yes No Not determined
- If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year 553762. (See instructions.)

Part III Financial Information			
7 Plan Assets and Liabilities		(a) Beginning of Year	(b) End of Year
a Total plan assets	7a	92988	92287
b Total plan liabilities	7b		
c Net plan assets (subtract line 7b from line 7a)	7c	92988	92287
8 Income, Expenses, and Transfers for this Plan Year		(a) Amount	(b) Total
a Contributions received or receivable from:			
(1) Employers	8a(1)	0	
(2) Participants	8a(2)		
(3) Others (including rollovers)	8a(3)		
b Other income (loss)	8b	51009	
c Total income (add lines 8a(1), 8a(2), 8a(3), and 8b)	8c		51009
d Benefits paid (including direct rollovers and insurance premiums to provide benefits)	8d	4136	
e Certain deemed and/or corrective distributions (see instructions) .	8e		
f Administrative service providers (salaries, fees, commissions)	8f		
g Other expenses	8g	47574	
h Total expenses (add lines 8d, 8e, 8f, and 8g)	8h		51710
i Net income (loss) (subtract line 8h from line 8c)	8i		-701
j Transfers to (from) the plan (see instructions)	8j		

Part IV Plan Characteristics	
9a	If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristic Codes in the instructions: <u>1A</u>
b	If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristic Codes in the instructions:

Part V Compliance Questions				
10 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)	10a		X	
b Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 10a.)	10b		X	
c Was the plan covered by a fidelity bond?	10c	X		100000
d Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	10d		X	
e Were any fees or commissions paid to any brokers, agents, or other persons by an insurance carrier, insurance service, or other organization that provides some or all of the benefits under the plan? (See instructions.)	10e		X	
f Has the plan failed to provide any benefit when due under the plan?	10f		X	
g Did the plan have any participant loans? (If "Yes," enter amount as of year-end.)	10g		X	
h If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	10h			
i If 10h was answered "Yes," check the box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3	10i			

Part VI Pension Funding Compliance

11 Is this a defined benefit plan subject to minimum funding requirements? (If "Yes," see instructions and complete Schedule SB (Form 5500) and lines 11a and b below.) If this is a defined contribution pension plan, leave line 11 blank and complete line 12 below. Yes No

a Enter the unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 **11a** 16887

b PBGC missed contribution reporting requirements. If the plan is covered by PBGC and the amount reported on line 11a is greater than \$0, 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 _____

PLAN IS REQUESTING TO FILE A DISTRESS TERMINATION FROM PBGC

12 Is this a defined contribution plan subject to the minimum funding requirements of section 412 of the Code or section 302 of ERISA? Yes No
(If "Yes," complete line 12a or lines 12b, 12c, 12d, and 12e below, as applicable.) If this is a defined benefit pension plan, leave line 12 blank and complete line 11 above.

a 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 letter ruling granting the waiver. Month Day Year

If you completed line 12a, complete lines 3, 9, and 10 of Schedule MB (Form 5500), and skip to line 13.

b Enter the minimum required contribution for this plan year **12b**

c Enter the amount contributed by the employer to the plan for this plan year **12c**

d Subtract the amount in line 12c from the amount in line 12b. Enter the result (enter a minus sign to the left of a negative amount) **12d**

e Will the minimum funding amount reported on line 12d be met by the funding deadline?..... Yes No N/A

Part VII Plan Terminations and Transfers of Assets

13a Has a resolution to terminate the plan been adopted in any plan year? Yes No

a If "Yes," enter the amount of any plan assets that reverted to the employer this year..... **13a**

b Were all the plan assets distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC? Yes No

c 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.)

13c(1) Name of plan(s):	13c(2) EIN(s)	13c(3) PN(s)

Part VIII IRS Compliance Questions

14a 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

14b 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

15 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 _____.

SCHEDULE SB (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	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.	<small>OMB No. 1210-0110</small> 2024 This Form is Open to Public Inspection
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For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024

▶ **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 <u>RETIREMENT PLAN FOR EMPLOYEES OF JOHN J. MANLEY, INC.</u>	B Three-digit plan number (PN) ▶	<u>002</u>
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>JOHN J. MANLEY, INC.</u>	D Employer Identification Number (EIN) <u>23-1284736</u>	
E Type of plan: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Multiple-A <input type="checkbox"/> Multiple-B	F Prior year plan size: <input checked="" type="checkbox"/> 100 or fewer <input type="checkbox"/> 101-500 <input type="checkbox"/> More than 500	

Part I Basic Information

1	Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2024</u>		
2	Assets:		
	a Market value	2a	<u>92988</u>
	b Actuarial value	2b	<u>102286</u>
3	Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target
	a For retired participants and beneficiaries receiving payment	<u>2</u>	<u>58072</u>
	b For terminated vested participants	<u>4</u>	<u>87403</u>
	c For active participants	<u>1</u>	<u>6807</u>
	d Total	<u>7</u>	<u>152282</u>
4	If the plan is in at-risk status, check the box and complete lines (a) and (b)..... <input type="checkbox"/>		
	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	<u>5.20 %</u>
6	Target normal cost		
	a Present value of current plan year accruals	6a	<u>2314</u>
	b Expected plan-related expenses	6b	<u>10000</u>
	c Target normal cost	6c	<u>12314</u>

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	<u>11/19/2025</u> Date
	<u>STEPHEN CHYKIRDA</u> Type or print name of actuary	<u>23-07517</u> Most recent enrollment number
	<u>USI CONSULTING GROUP</u> Firm name	<u>860-521-8400</u> Telephone number (including area code)
	<u>95 GLASTONBURY BLVD SUITE 102 GLASTONBURY, CT 06033</u> 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)	0	0
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	0
9	Amount remaining (line 7 minus line 8)	0	0
10	Interest on line 9 using prior year's actual return of <u>0.00</u> %	0	0
11	Prior year's excess contributions to be added to prefunding balance:		
a	Present value of excess contributions (line 38a from prior year)		4034
b(1)	Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>5.18</u> %		209
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		4243
d	Portion of (c) to be added to prefunding balance		0
12	Other reductions in balances due to elections or deemed elections	0	0
13	Balance at beginning of current year (line 9 + line 10 + line 11d - line 12)	0	0

Part III Funding Percentages			
14	Funding target attainment percentage	14	67.14 %
15	Adjusted funding target attainment percentage	15	92.89 %
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	110.43 %
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage	17	61.04 %

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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
b	If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
c	If line 20a is "Yes," see instructions and complete the following table as applicable:		
Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(3) 3rd	(4) 4th
0	0	0	0

Part V Assumptions Used to Determine Funding Target and Target Normal Cost			
21 Discount rate:			
a Segment rates:	1st segment: 4.75 %	2nd segment: 4.96 %	<input type="checkbox"/> N/A, full yield curve used
b Applicable month (enter code)			21b 0
22 Weighted average retirement age			22 65
23 Mortality table(s) (see instructions) <input checked="" type="checkbox"/> Prescribed - combined <input type="checkbox"/> Prescribed - separate <input type="checkbox"/> 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..... <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment..... <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
b Is the plan required to provide a projection of expected benefit payments? If "Yes," see instructions regarding required attachment ... <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	12314	
b Excess assets, if applicable, but not greater than line 31a	31b	0	
32 Amortization installments:	Outstanding Balance	Installment	
a Net shortfall amortization installment	50040	4573	
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 16887
	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 16887
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 16887
40 Unpaid minimum required contributions for all years			40 16887

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. <input type="checkbox"/> 2019 <input type="checkbox"/> 2020 <input type="checkbox"/> 2021			

Description of Actuarial Methods

Asset Valuation Method

The Actuarial Value of assets used in the development of plan contributions phases in recognition of the difference between the actual return on Market Value and the expected return on Market Value over a three-year period at 33.33% per year. The Actuarial Value is adjusted, if necessary, to comply with the IRC Sec. 430 requirement that the Actuarial Value of assets be within the range of 90% to 110% of the Market Value of assets. This method is equivalent to the smoothed market value method without phase-in described in Approval 3.16 of Revenue Procedure 2000-40.

Actuarial Cost Method

Funding Target Liability: Unit Credit Actuarial Cost Method.

Maximum Liability: Projected Unit Credit Actuarial Cost Method. The allocation of projected benefits between past years and future years is in proportion to the applicable rates of benefit accrual under the Plan.

Description of Actuarial Assumptions

Changes in Actuarial Assumptions as of January 1, 2024

The valuation reflects changes in the actuarial assumptions listed below. (The assumptions used before and after these changes are more fully described in the next section.)

- None

With the exception of the valuation interest rate, the assumptions indicated were changed to represent the Enrolled Actuary's current best estimate of anticipated experience of the Plan.

Interest Rates

The American Rescue Plan Act of 2021 (ARPA) was signed into law on March 11, 2021. ARPA continues to use a 24-month bond averaging period methodology for determining the segmented interest rates used in the calculation of the Plan's target liability and a corridor based on a 25-year bond averaging period. However, now the corridor based on 25-year average segment rates and the applicable minimum and maximum percentages used for purposes of calculating the Plan's target liability to adjust the 24-month average segment rates has been extended. In addition, any 25-year average segment rate that is less than 5% is deemed to be 5%.

The Infrastructure Investment and Jobs Act was signed into law on November 15, 2021 that further extended funding stabilization. The corridors under the new laws are as follows:

<u>Corridor After ARPA</u>		<u>Corridor after Infrastructure Investment and Jobs Act</u>	
<u>Years</u>	<u>Corridor</u>	<u>Years</u>	<u>Corridor</u>
2020-2021	95% to 105% if not deferred	2020-2021	95% to 105% if not deferred
2022-2025	95%-105%	2022-2030	95%-105%
2026	90%-110%	2031	90%-110%
2027	85%-115%	2032	85%-115%
2028	80%-120%	2033	80%-120%
2029	75%-125%	2034	75%-125%
2030+	70%-130%	2035+	70%-130%

The corridor rates are used for purposes of the calculation of the Plan's minimum required contribution and the determination of the Plan's AFTAP certification, but cannot be reflected in the calculation of the Plan's maximum tax deductible contribution or the PBGC variable premium liability. This report reflects the rates under ARPA as allowed under current legislation.

Valuation: Segment rates for the month of the Valuation Date (i.e., January). The rates are shown below.

Segment	2024		2023	
	Before Adjustment	After Adjustment	Before Adjustment	After Adjustment
1st	4.37%	4.75%	2.13%	4.75%
2nd	4.96%	4.96%	3.62%	5.00%
3rd	4.95%	5.59%	3.93%	5.74%

Interest Rates (cont.)

The rates before adjustment are the standard 24-month segment rates determined under any prior interest rate relief laws. They are used in the determination of the Plan’s maximum tax deductible contribution.

The rates after adjustment reflect the application of the applicable corridor around the 25-year average rates. They are used in the determination of the Plan’s minimum required contribution and AFTAP for benefit restriction purposes.

PBGC premium: PBGC spot segment rates for the month preceding the premium payment year. This method was last elected for the 2024 plan year. The rates are shown below.

	2024	2023
1 st segment	5.01%	4.84%
2 nd segment	5.13%	5.15%
3 rd segment	5.15%	4.85%

Expected Return for Asset Smoothing

Year	Assumption	Not to Exceed
2023	5.00%	5.59%
2023	5.00%	5.74%
2022	5.00%	5.92%
2021	5.00%	5.47%

The expected long-term rate of return on assets is estimated using the Plan Sponsor’s long-term target asset allocation and the long-term capital market assumption for each asset class in that allocation provided by the pension fund’s investment advisor.

Mortality

RP-2014 Adjusted to 2006 Total Dataset Mortality Table projected to valuation date with Scale MP-2021. Combined tables for annuitants and non-annuitants.

Mortality Improvement

Projected using Scale MP-2021 for 8 years for males, and 9 years for females, after the valuation date. Projection period is modified based upon participant’s age on valuation date.

Inflation

2.40%.

This assumption is consistent with the Social Security Administration's current best estimate of the ultimate long-term (75-year horizon) annual percentage increase in CPI, as published in the 2024 OASDI Trustees Report.

Salary Scale (including inflation)

N/A.

Increases in IRC Sec. 401(a)(17) compensation limit

As required by law, no increases are assumed.

Increases in IRC Sec. 415(b) limit on benefits

As required by law, no increases are assumed.

Retirement

100% at age 65.

Due to the limited size of the population, it is assumed employees retire at Normal Retirement Date.

Termination prior to retirement

No termination rates are assumed.

Disability

None assumed.

Administrative expenses

As prescribed by the IRS, estimated administrative expenses have been added to the target normal cost.

Percent of active employees married

80% of males and 80% of females.

Spouse's age

Husbands are assumed to be 1 year older than wives.

**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

2024

**This Form is Open to Public
Inspection**

For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024

▶ **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 RETIREMENT PLAN FOR EMPLOYEES OF JOHN J. MANLEY, INC.		B Three-digit plan number (PN) ▶	002
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF JOHN J. MANLEY, INC.		D Employer Identification Number (EIN) 23-1284736	
E Type of plan: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Multiple-A <input type="checkbox"/> Multiple-B		F Prior year plan size: <input checked="" type="checkbox"/> 100 or fewer <input type="checkbox"/> 101-500 <input type="checkbox"/> More than 500	

Part I Basic Information

1 Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2024</u>			
2 Assets:			
a Market value	2a	92,988	
b Actuarial value	2b	102,286	
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	2	58,072	58,072
b For terminated vested participants	4	87,403	87,403
c For active participants	1	6,807	6,851
d Total	7	152,282	152,326
4 If the plan is in at-risk status, check the box and complete lines (a) and (b)..... <input type="checkbox"/>			
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	5.20%	
6 Target normal cost			
a Present value of current plan year accruals	6a	2,314	
b Expected plan-related expenses	6b	10,000	
c Target normal cost	6c	12,314	

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		11/19/2025
Signature of actuary		Date
STEPHEN CHYKIRDA		2307517
Type or print name of actuary		Most recent enrollment number
USI Consulting Group		860-521-8400
Firm name		Telephone number (including area code)
95 Glastonbury Blvd Suite 102 Glastonbury CT 06033		
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

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

**Schedule SB (Form 5500) 2024
v. 240311**

Part V Assumptions Used to Determine Funding Target and Target Normal Cost				
21 Discount rate:				
a Segment rates:	1st segment: 4.75 %	2nd segment: 4.96 %	3rd segment: 5.59 %	<input type="checkbox"/> N/A, full yield curve used
b Applicable month (enter code).....				21b 0
22 Weighted average retirement age				22 65
23 Mortality table(s) (see instructions)	<input checked="" type="checkbox"/> Prescribed - combined <input type="checkbox"/> Prescribed - separate <input type="checkbox"/> 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.....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
b Is the plan required to provide a projection of expected benefit payments? If "Yes," see instructions regarding required attachment ...	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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 12,314
b Excess assets, if applicable, but not greater than line 31a				31b 0
32 Amortization installments:	Outstanding Balance		Installment	
a Net shortfall amortization installment	50,040		4,573	
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 16,887
	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 16,887
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 16,887
40 Unpaid minimum required contributions for all years				40 16,887

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. <input type="checkbox"/> 2019 <input type="checkbox"/> 2020 <input type="checkbox"/> 2021				

Summary of Plan Provisions

This exhibit summarizes the major provisions of the Plan. It is not intended to be, nor should it be interpreted as a complete statement of all plan provisions. To the extent that this summary does not accurately reflect the plan provisions, then the results of this valuation may not be accurate.

This exhibit outlines the Retirement Plan for Employees of John J. Manley, Inc. as amended. The Plan Sponsor is John J. Manley, Inc.

Eligibility

Employees enter the plan on the first day of the month after completing the following requirements:

1. Completed 1 year of service.
2. Attained age 21.

Retirement

Normal: Age 65.

Early: Age 55 and completed 10 years of service.

Late: The first of any month after attaining age 65.

Benefit at Retirement

1. Normal: For participants eligible prior to January 1, 1985, the greatest of A, B, or C. For participants who become eligible on or after January 1, 1985, the greater of B or C.

(a) For service as a plan member on or after January 1, 1975:

1% of the first \$9,000 total taxable earnings plus 1.5% of total taxable earnings in excess of \$9,000 each year as an Active Member.

For service prior to January 1, 1975:

.5% of the first \$9,000 of Past Service Earnings plus 1% of Past Service Earnings in excess of \$9,000 times the members number of years of credited service ending on December 31, 1974.

Past Service Earnings equals the five year average of a members total taxable earnings for the five years immediately prior to January 1, 1975.

This benefit A. is frozen effective December 31, 1994. There are no future benefit accruals under this formula on or after that date.

- (b) 75% of Final Average Earnings times years of Credited Service, subject to a 30 year maximum. Final Average Earnings is the highest 5 consecutive year average out of the last 10 years of employment.
- (c) 1% of Final Average Earnings minus 1% of Social Security Benefit times years of Credited Service, subject to a maximum of 30 years. This Benefit C. is frozen effective December 31, 1994. Earnings, credited service, and changes in the Social Security law made after this date will not be utilized.

Benefit at Retirement (cont.)

2. Early: Benefit accrued to Early Retirement Date reduced by an early retirement reduction factor as follows:

Number of Years Early	Percentage Received
0	100.0%
1	92.1%
2	85.1%
3	78.8%
4	73.2%
5	68.1%
6	63.6%
7	59.4%
8	55.7%
9	52.2%
10	49.1%

3. Late: The greater of the benefit accrued to late retirement date or benefit accrued to normal retirement date actuarially increased by factors in the plan.

Normal Form of Pension

The benefit formula provides for a life annuity benefit. However, each participant married at retirement who does not elect otherwise will receive a joint annuity in a reduced amount providing for a 50% continuation to a surviving spouse.

Optional Forms of Pension

Optional forms of benefit payment include a Social Security Adjustment Option, and 50%, 66.67%, 75%, and 100% Joint and Survivor Annuity Options.

Vesting

Years of Service	Vesting Percentage
Less than 2	0%
2 but less than 3	20%
3 but less than 4	40%
4 but less than 5	60%
5 but less than 6	80%
6 or more	100%

Spouse's Benefit

Participants who have reached age 50 and completed 10 years of service as defined for vesting purposes who have been married one year, are eligible for a pre-retirement spouse's benefit equal to 50% of a participant's accrued annuity reduced 1/2% for each year the spouse is more than five years younger than the participant but not less than 40%. The minimum monthly annuity is \$10.

Participants who are vested and who are not eligible for the benefit described above who have been married one year, are eligible for a pre-retirement spouse's benefit equal to 50% of the joint annuity benefit which the participant would have received upon early retirement at date of death. This benefit is automatic.

Top Heavy Provisions

For plan years in which the plan is top heavy, there is a minimum monthly benefit of 2% of pay for the highest five years times years of service. Only top heavy years after 1983 are counted. The plan was top heavy from the 1984 through 1990 plan years. It was not top heavy for the 1991 through 1994 plan years. It was, again, top heavy for the 1995 through 2001 plan years. It was not top heavy for the 2002 through 2005 plan years. It is again top heavy for the 2006 and all following plan years. This benefit is available only to non-key employees.

Schedule SB, line 32 – Schedule of Amortizations Bases				
Date Established	Type of Base	Amortization Installment	Years Remaining	Present Value of Remaining Installments as of 1/1/2024
1/1/2020	Shortfall	0	11	0
1/1/2021	Shortfall	0	12	0
1/1/2022	Shortfall	0	13	0
1/1/2023	Shortfall	0	14	0
1/1/2024	Shortfall	4,573	15	50,040
Total		4,573		50,040