

**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

**2023**

**This Form is Open to Public Inspection**

**Part I Annual Report Identification Information**

For calendar plan year 2023 or fiscal plan year beginning 11/01/2023 and ending 10/31/2024

- A** This return/report is for:  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:  Form 5558  automatic extension  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

<b>1a</b> Name of plan <u>SUPERIOR CLAY CORPORATION REVISED AND RESTATED PENSION PLAN</u>		<b>1b</b> Three-digit plan number (PN) ▶ <u>001</u>
		<b>1c</b> Effective date of plan <u>11/01/1964</u>
<b>2a</b> Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>SUPERIOR CLAY CORPORATION</u>  <u>6566 SUPERIOR RD SE</u> <u>UHRICHSVILLE, OH 44683</u>		<b>2b</b> Employer Identification Number (EIN) <u>34-0564600</u>
		<b>2c</b> Sponsor's telephone number <u>740-922-4122</u>
		<b>2d</b> Business code (see instructions) <u>327100</u>
<b>3a</b> Plan administrator's name and address <input checked="" type="checkbox"/> Same as Plan Sponsor.		<b>3b</b> Administrator's EIN
		<b>3c</b> Administrator's telephone number
<b>4</b> 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. <b>a</b> Sponsor's name <b>c</b> Plan Name		<b>4b</b> EIN
		<b>4d</b> PN
<b>5a</b> Total number of participants at the beginning of the plan year .....	<b>5a</b>	<u>18</u>
<b>b</b> Total number of participants at the end of the plan year.....	<b>5b</b>	<u>17</u>
<b>c(1)</b> Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item) .....	<b>5c(1)</b>	
<b>c(2)</b> Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) .....	<b>5c(2)</b>	
<b>d(1)</b> Total number of active participants at the beginning of the plan year.....	<b>5d(1)</b>	<u>7</u>
<b>d(2)</b> Total number of active participants at the end of the plan year.....	<b>5d(2)</b>	<u>5</u>
<b>e</b> Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....	<b>5e</b>	<u>0</u>

**Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.**  
Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including, 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.

SIGN HERE	<u>Filed with authorized/valid electronic signature.</u>	<u>08/11/2025</u>	<u>DAVID KOPP</u>
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	<u>Signature of employer/plan sponsor</u>	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 542633. (See instructions.)

<b>Part III Financial Information</b>			
<b>7</b>		<b>(a) Beginning of Year</b>	<b>(b) End of Year</b>
<b>7</b>	Plan Assets and Liabilities		
<b>a</b>	Total plan assets .....	<b>7a</b> 1233354	1442326
<b>b</b>	Total plan liabilities .....	<b>7b</b>	
<b>c</b>	Net plan assets (subtract line 7b from line 7a) .....	<b>7c</b> 1233354	1442326
<b>8</b>		<b>(a) Amount</b>	<b>(b) Total</b>
<b>8</b>	Income, Expenses, and Transfers for this Plan Year		
<b>a</b>	Contributions received or receivable from:		
	(1) Employers .....	<b>8a(1)</b> 41160	
	(2) Participants.....	<b>8a(2)</b>	
	(3) Others (including rollovers) .....	<b>8a(3)</b>	
<b>b</b>	Other income (loss).....	<b>8b</b> 259214	
<b>c</b>	Total income (add lines 8a(1), 8a(2), 8a(3), and 8b).....	<b>8c</b>	300374
<b>d</b>	Benefits paid (including direct rollovers and insurance premiums to provide benefits).....	<b>8d</b> 90964	
<b>e</b>	Certain deemed and/or corrective distributions (see instructions) .	<b>8e</b>	
<b>f</b>	Administrative service providers (salaries, fees, commissions) .....	<b>8f</b> 438	
<b>g</b>	Other expenses .....	<b>8g</b>	
<b>h</b>	Total expenses (add lines 8d, 8e, 8f, and 8g) .....	<b>8h</b>	91402
<b>i</b>	Net income (loss) (subtract line 8h from line 8c).....	<b>8i</b>	208972
<b>j</b>	Transfers to (from) the plan (see instructions) .....	<b>8j</b>	

<b>Part IV Plan Characteristics</b>	
<b>9a</b>	If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristic Codes in the instructions: 1A 1I 3D
<b>b</b>	If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristic Codes in the instructions:

<b>Part V Compliance Questions</b>				
<b>10</b>		<b>Yes</b>	<b>No</b>	<b>Amount</b>
<b>10</b>	During the plan year:			
<b>a</b>	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) .....	<b>10a</b>	X	
<b>b</b>	Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 10a.).....	<b>10b</b>	X	
<b>c</b>	Was the plan covered by a fidelity bond? .....	<b>10c</b>	X	143300
<b>d</b>	Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty? .....	<b>10d</b>	X	
<b>e</b>	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.).....	<b>10e</b>	X	
<b>f</b>	Has the plan failed to provide any benefit when due under the plan? .....	<b>10f</b>	X	
<b>g</b>	Did the plan have any participant loans? (If "Yes," enter amount as of year-end.) .....	<b>10g</b>	X	
<b>h</b>	If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.) .....	<b>10h</b>	X	
<b>i</b>	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.....	<b>10i</b>		

**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** 0

**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 \_\_\_\_\_

**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.)

<b>13c(1)</b> Name of plan(s):	<b>13c(2)</b> EIN(s)	<b>13c(3)</b> 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 02/28/2023 (MM/DD/YYYY) and the Opinion Letter serial number Q705360A.

<b>SCHEDULE SB</b> <b>(Form 5500)</b>  <small>Department of the Treasury Internal Revenue Service</small>  <small>Department of Labor Employee Benefits Security Administration</small>  <small>Pension Benefit Guaranty Corporation</small>	<b>Single-Employer Defined Benefit Plan</b> <b>Actuarial Information</b>  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).  <b>▶ File as an attachment to Form 5500 or 5500-SF.</b>	<small>OMB No. 1210-0110</small>  <b>2023</b>  <b>This Form is Open to Public Inspection</b>
---	--	--

For calendar plan year 2023 or fiscal plan year beginning 11/01/2023 and ending 10/31/2024

▶ **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.

<b>A</b> Name of plan <u>SUPERIOR CLAY CORPORATION REVISED AND RESTATED PENSION PLAN</u>	<b>B</b> Three-digit plan number (PN) ▶	<u>001</u>
<b>C</b> Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>SUPERIOR CLAY CORPORATION</u>	<b>D</b> Employer Identification Number (EIN) <u>34-0564600</u>	
<b>E</b> Type of plan: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Multiple-A <input type="checkbox"/> Multiple-B	<b>F</b> 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**

<b>1</b>	Enter the valuation date: Month <u>10</u> Day <u>31</u> Year <u>2024</u>		
<b>2</b>	Assets:		
	<b>a</b> Market value .....	<b>2a</b>	<u>1401166</u>
	<b>b</b> Actuarial value .....	<b>2b</b>	<u>1401166</u>
<b>3</b>	Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target
	<b>a</b> For retired participants and beneficiaries receiving payment .....	<u>11</u>	<u>1462298</u>
	<b>b</b> For terminated vested participants .....	<u>1</u>	<u>26374</u>
	<b>c</b> For active participants .....	<u>5</u>	<u>269360</u>
	<b>d</b> Total .....	<u>17</u>	<u>1758032</u>
<b>4</b>	If the plan is in at-risk status, check the box and complete lines (a) and (b) .....		
	<b>a</b> Funding target disregarding prescribed at-risk assumptions .....	<b>4a</b>	
	<b>b</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 .....	<b>4b</b>	
<b>5</b>	Effective interest rate .....	<b>5</b>	<u>5.03 %</u>
<b>6</b>	Target normal cost		
	<b>a</b> Present value of current plan year accruals .....	<b>6a</b>	<u>0</u>
	<b>b</b> Expected plan-related expenses .....	<b>6b</b>	<u>0</u>
	<b>c</b> Target normal cost .....	<b>6c</b>	<u>0</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.

<b>SIGN HERE</b>		
	Signature of actuary	<u>07/30/2025</u>
	<u>BRIAN PATRICK, FSA, EA</u>	Date
	Type or print name of actuary	<u>23-07558</u>
	<u>INTEGRATED RETIREMENT PLAN SOLUTION</u>	Most recent enrollment number
	Firm name	<u>216-912-5970</u>
	<u>812 HURON ROAD</u>	Telephone number (including area code)
	<u>SUITE 601</u>	
	<u>CLEVELAND, OH 44115</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

<b>Part II Beginning of Year Carryover and Prefunding Balances</b>		(a) Carryover balance	(b) Prefunding balance
<b>7</b>	Balance at beginning of prior year after applicable adjustments (line 13 from prior year) .....	0	0
<b>8</b>	Portion elected for use to offset prior year's funding requirement (line 35 from prior year) .....	0	0
<b>9</b>	Amount remaining (line 7 minus line 8) .....	0	0
<b>10</b>	Interest on line 9 using prior year's actual return of <u>3.62</u> % .....	0	0
<b>11</b>	Prior year's excess contributions to be added to prefunding balance:		
<b>a</b>	Present value of excess contributions (line 38a from prior year) .....		33
<b>b(1)</b>	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>4.76</u> % .....		0
<b>b(2)</b>	Interest on line 38b from prior year Schedule SB, using prior year's actual return .....		
<b>c</b>	Total available at beginning of current plan year to add to prefunding balance .....		33
<b>d</b>	Portion of (c) to be added to prefunding balance .....		
<b>12</b>	Other reductions in balances due to elections or deemed elections .....	0	0
<b>13</b>	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12) .....	0	0

<b>Part III Funding Percentages</b>			
<b>14</b>	Funding target attainment percentage .....	<b>14</b>	79.70 %
<b>15</b>	Adjusted funding target attainment percentage .....	<b>15</b>	81.96 %
<b>16</b>	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement .....	<b>16</b>	80.36 %
<b>17</b>	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage .....	<b>17</b>	%

<b>Part IV Contributions and Liquidity Shortfalls</b>		<b>18 Contributions made to the plan for the plan year by employer(s) and employees:</b>					
(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		
07/08/2025	41160	0					
			<b>Totals ▶</b>	<b>18(b)</b>	41160	<b>18(c)</b>	0

<b>19</b>	Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:	
<b>a</b>	Contributions allocated toward unpaid minimum required contributions from prior years. ....	<b>19a</b> 0
<b>b</b>	Contributions made to avoid restrictions adjusted to valuation date .....	<b>19b</b> 0
<b>c</b>	Contributions allocated toward minimum required contribution for current year adjusted to valuation date .....	<b>19c</b> 38497
<b>20</b>	Quarterly contributions and liquidity shortfalls:	
<b>a</b>	Did the plan have a "funding shortfall" for the prior year? .....	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>b</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
<b>c</b>	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

<b>Part V Assumptions Used to Determine Funding Target and Target Normal Cost</b>			
<b>21</b> Discount rate:			
<b>a</b> Segment rates:	1st segment: 5.05 %	2nd segment: 5.31 %	<input type="checkbox"/> N/A, full yield curve used
<b>b</b> Applicable month (enter code).....			<b>21b</b> 0
<b>22</b> Weighted average retirement age .....			<b>22</b> 65
<b>23</b> Mortality table(s) (see instructions)	<input checked="" type="checkbox"/> Prescribed - combined	<input type="checkbox"/> Prescribed - separate	<input type="checkbox"/> Substitute

<b>Part VI Miscellaneous Items</b>			
<b>24</b> 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			
<b>25</b> 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			
<b>26</b> Demographic and benefit information			
<b>a</b> 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>b</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
<b>27</b> If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment.....			<b>27</b>

<b>Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years</b>			
<b>28</b> Unpaid minimum required contributions for all prior years .....			<b>28</b> 0
<b>29</b> Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a).....			<b>29</b> 0
<b>30</b> Remaining amount of unpaid minimum required contributions (line 28 minus line 29) .....			<b>30</b> 0

<b>Part VIII Minimum Required Contribution For Current Year</b>			
<b>31</b> Target normal cost and excess assets (see instructions):			
<b>a</b> Target normal cost (line 6c).....			<b>31a</b> 0
<b>b</b> Excess assets, if applicable, but not greater than line 31a .....			<b>31b</b> 0
<b>32</b> Amortization installments:	Outstanding Balance	Installment	
<b>a</b> Net shortfall amortization installment .....	356866	36412	
<b>b</b> Waiver amortization installment .....			
<b>33</b> 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 .....			<b>33</b>
<b>34</b> Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33).....			<b>34</b> 36412
	Carryover balance	Prefunding balance	Total balance
<b>35</b> Balances elected for use to offset funding requirement .....			0
<b>36</b> Additional cash requirement (line 34 minus line 35).....			<b>36</b> 36412
<b>37</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c).....			<b>37</b> 38497
<b>38</b> Present value of excess contributions for current year (see instructions)			
<b>a</b> Total (excess, if any, of line 37 over line 36)			<b>38a</b> 2085
<b>b</b> Portion included in line 38a attributable to use of prefunding and funding standard carryover balances .....			<b>38b</b>
<b>39</b> Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37) .....			<b>39</b> 0
<b>40</b> Unpaid minimum required contributions for all years .....			<b>40</b> 0

<b>Part IX Pension Funding Relief Under the American Rescue Plan Act of 2021 (See Instructions)</b>			
<b>41</b> 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			

**SUPERIOR CLAY CORPORATION  
 REVISED AND RESTATED PENSION PLAN**

Schedule of Active Participant Data  
 Plan Year: 11/1/2023 to 10/31/2024  
 Valuation Date: 10/31/2024

<b>Svc:</b>	<b>&lt;1</b>	<b>1-4</b>	<b>5-9</b>	<b>10-14</b>	<b>15-19</b>	<b>20-24</b>	<b>25-29</b>	<b>30-34</b>	<b>35-39</b>	<b>&gt;40</b>	<b>Total</b>
<b>Age</b>											
<b>&lt;25</b>	0	0	0	0	0	0	0	0	0	0	0
<b>25-29</b>	0	0	0	0	0	0	0	0	0	0	0
<b>30-34</b>	0	0	0	0	0	0	0	0	0	0	0
<b>35-39</b>	0	0	0	0	0	0	0	0	0	0	0
<b>40-44</b>	0	0	0	0	0	0	0	0	0	0	0
<b>45-49</b>	0	0	0	0	0	1	0	0	0	0	1
<b>50-54</b>	0	0	0	0	0	1	1	0	0	0	2
<b>55-59</b>	0	0	0	0	0	0	0	0	0	0	0
<b>60-64</b>	0	0	0	0	0	0	0	0	1	0	1
<b>65-69</b>	0	0	0	0	0	0	0	0	1	0	1
<b>70+</b>	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	0	2	1	0	2	0	5

Employees who have not met the minimum eligibility requirements are excluded.

Average Age: 56.0

Average Service: 30

**SUPERIOR CLAY CORPORATION**  
**REVISED AND RESTATED PENSION PLAN**  
Summary of Actuarial Assumptions and Methods  
Plan Year: 11/1/2023 to 10/31/2024  
Valuation Date: 10/31/2024

**Interest rates**

	<u>Minimum Funding</u>	<u>Maximum Funding</u>
Segment 1:	5.05%	5.05%
Segment 2:	5.31%	5.31%
Segment 3:	5.74%	5.37%
Actuarial Equivalence:	7.50%	
Effective Interest Rate:	5.03%	
Annual Interest Crediting Assumption (AICA):	7.50%	

**Mortality**

Pre-Retirement:	None
Post-Retirement:	2023 Applicable Mortality Table from Notice 2022-22

**Turnover**

None

**Assumed Retirement Age**

Normal retirement age 65.

**Assumed Benefit Form For Funding**

Lump Sum

**Actuarial Cost Method**

The Unit Credit funding method was used as prescribed by the Pension Protection Act. This method sets the funding target equal to the present value of accrued benefits, and sets the normal cost equal to the present value of the benefit accrued in the current year.

**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 11/01/2023 and ending 10/31/2024

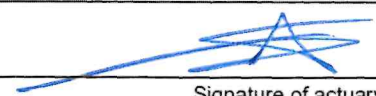
▶ **Round off amounts to nearest dollar.**

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

<b>A</b> Name of plan Superior Clay Corporation Revised and Restated Pension Plan	<b>B</b> Three-digit plan number (PN) ▶	001
<b>C</b> Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF  Superior Clay Corporation	<b>D</b> Employer Identification Number (EIN)  34-0564600	
<b>E</b> Type of plan: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Multiple-A <input type="checkbox"/> Multiple-B	<b>F</b> 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			
<b>1</b>	Enter the valuation date: Month <u>10</u> Day <u>31</u> Year <u>2024</u>		
<b>2</b>	Assets:		
	<b>a</b> Market value.....	<b>2a</b>	1,401,166
	<b>b</b> Actuarial value.....	<b>2b</b>	1,401,166
<b>3</b>	Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target
	<b>a</b> For retired participants and beneficiaries receiving payment.....	11	1,462,298
	<b>b</b> For terminated vested participants.....	1	26,374
	<b>c</b> For active participants.....	5	269,360
	<b>d</b> Total.....	17	1,758,032
<b>4</b>	If the plan is in at-risk status, check the box and complete lines (a) and (b)..... <input type="checkbox"/>		
	<b>a</b> Funding target disregarding prescribed at-risk assumptions.....	<b>4a</b>	
	<b>b</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.....	<b>4b</b>	
<b>5</b>	Effective interest rate.....	<b>5</b>	5.03%
<b>6</b>	Target normal cost		
	<b>a</b> Present value of current plan year accruals.....	<b>6a</b>	0
	<b>b</b> Expected plan-related expenses.....	<b>6b</b>	0
	<b>c</b> Target normal cost.....	<b>6c</b>	0

**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.

<b>SIGN HERE</b>	 Signature of actuary	7.30.25 Date
	Brian Patrick, FSA, EA Type or print name of actuary	2307558 Most recent enrollment number
	Integrated Retirement Plan Solution Firm name	216-912-5970 Telephone number (including area code)
	812 Huron Road Suite 601 Cleveland OH 44115 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) 2023  
v. 230728**



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

**21** Discount rate:

**a** Segment rates:

1st segment: 5.05 %	2nd segment: 5.31 %	3rd segment: 5.74 %	<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)  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** 0

**b** Excess assets, if applicable, but not greater than line 31a ..... **31b** 0

**32** Amortization installments:

	Outstanding Balance	Installment
<b>a</b> Net shortfall amortization installment .....	356,866	36,412
<b>b</b> Waiver amortization installment .....		

**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** 36,412

	Carryover balance	Prefunding balance	Total balance
<b>35</b> Balances elected for use to offset funding requirement.....			0
<b>36</b> Additional cash requirement (line 34 minus line 35).....			36,412
<b>37</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c).....			38,497

**38** Present value of excess contributions for current year (see instructions)

**a** Total (excess, if any, of line 37 over line 36)..... **38a** 2,085

**b** Portion included in line 38a attributable to use of prefunding and funding standard carryover balances ..... **38b**

**39** Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)..... **39** 0

**40** Unpaid minimum required contributions for all years..... **40** 0

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

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

Attachment to 2023 Schedule SB, Line 19 - Discounted Employer Contributions  
EIN: 34-0564600 PN: 001

**SUPERIOR CLAY CORPORATION  
REVISED AND RESTATED PENSION PLAN**

Discounted Employer Contributions  
Plan Year: 11/1/2023 to 10/31/2024  
Valuation Date: 10/31/2024

Quarterly Installment Payment: \$7,225

<u>Date</u>	<u>Amount</u>	<u>Year Applied</u>	<u>Effective Interest Rate</u>	<u>Interest Adjusted Contribution</u>
7/8/2025	\$ 41,160.00	2023	5.03%	\$38,497.39

Total (line 19c)

\$38,497.39

Attachment to 2023 Schedule SB, Line 22 - Description of Weighted Average Retirement Age  
EIN: 34-0564600 PN: 001

**SUPERIOR CLAY CORPORATION  
REVISED AND RESTATED PENSION PLAN**

Weighted Average Retirement Age  
Plan Year: 11/1/2023 to 10/31/2024  
Valuation Date: 10/31/2024

Assumed Retirement Age - 100% of the participants are assumed to retire at the plan's normal retirement age, which is defined as:

Normal retirement age 65.

Weighted average retirement age = 65

**SUPERIOR CLAY CORPORATION**  
**REVISED AND RESTATED PENSION PLAN**

Summary of Plan Provisions  
Plan Year: 11/1/2023 to 10/31/2024  
Valuation Date: 10/31/2024

<b>Effective Date:</b>	November 1, 1964
<b>Plan Year:</b>	November 1 to October 31
<b>Eligibility:</b>	Age 21. Service 1 year.
<b>Entry:</b>	November 1 or May 1 coincident with or next following the completion of eligibility requirements.
<b>Normal Retirement Age:</b>	Attainment of age 65.
<b>Normal Retirement Benefit:</b>	Plan Frozen
<b>Normal Form of Benefit:</b>	A benefit payable for the life of the participant.
<b>Accrued Benefit:</b>	The normal retirement benefit described above calculated based on salary/service on the calculation date, and payable on the normal retirement date, subject to the minimum DB annuity benefit.
<b>Vesting Schedule:</b>	Immediate Vesting
<b>Termination Benefit:</b>	Upon termination for any reason other than death or retirement a participant shall be entitled to a portion of the actuarial equivalent of his accrued benefit in accordance with the vesting schedule listed above. Benefits may commence at retirement.
<b>Top-Heavy Minimum Benefit:</b>	Top-heavy minimum benefits are provided under another plan of the employer. This plan is not currently top-heavy.
<b>HCE Determination:</b>	Top Paid Group election is not used.
<b>Death Benefit:</b>	Actuarial Equivalent of the accrued benefit earned to date of death.
<b>Actuarial Equivalence:</b>	7.50% / 417(e) Mortality
<b>Interest Crediting Rate:</b>	7.50%

**SUPERIOR CLAY CORPORATION  
REVISED AND RESTATED PENSION PLAN**

Shortfall Amortization  
Plan Year: 11/1/2023 to 10/31/2024  
Valuation Date: 10/31/2024

If the plan has a funded status below 100%, the plan may require additional payments in the form of shortfall amortization payments. A plan's amortization payments are calculated to pay down the plan's underfunding over a fifteen year period (unless a plan sponsor has elected to use allowable relief, in which case the payment period will be longer).

<u>Valuation Date</u>	<u>Amortization Method</u>	<u>Number of Future Installments</u>	<u>Installment</u>	<u>Value of Future Installments</u>
10/31/2024	15-year	15	\$7,512	\$80,582
10/31/2023	15-year	14	-\$173	-\$1,772
10/31/2022	15-year	13	\$20,011	\$194,739
10/31/2021	15-year	12	\$9,062	\$83,317
Total			<u>\$36,412</u>	<u>\$356,866</u>