Annual Report of Holding Companies—FR Y-6

Report at the close of business as of the end of fiscal year

This Report is required by law: Section 5(c)(1)(A) of the Bank Holding Company Act (12 U.S.C. § 1844(c)(1)(A)); sections 6(a) and 13(a) of the International Banking Act (12 U.S.C. §§ 3105(a) and 3108(a)); sections 11(a)(1), 25, and 25A of the Federal Reserve Act (12 U.S.C. §§ 248(a)(1), 602, and 611a); and sections 113, 165, 312, 618, and 809 of the Dodd-Frank Act (12 U.S.C. §§ 5361, 5365, 5412, 1850a(c)(1), and 5468(b)(1)). Return to the appropriate Federal Reserve Bank the original and number of copies specified.

NOTE: The Annual Report of Holding Companies must be signed by one director of the top-tier holding company. This individual should also be a senior official of the top-tier holding company. In the event that the top-tier holding company does not have an individual who is a senior official and is also a director, the chairman of the board must sign the report. If the holding company is an ESOP/ESOT formed as a corporation or is an LLC, see the General Instructions for the authorized individual who must sign the report.

I, JAMES R. HESLOP, II
Name of the Holding Company Director and Official

PRESIDENT/CEO
Title of the Holding Company Director and Official

attest that the Annual Report of Holding Companies (including the supporting attachments) for this report date has been prepared in conformance with the instructions issued by the Federal Reserve System and are true and correct to the best of my knowledge and belief.

With respect to information regarding individuals contained in this report, the Reporter certifies that it has the authority to provide this information to the Federal Reserve. The Reporter also certifies that it has the authority, on behalf of each individual, to consent or object to public release of information regarding that individual. The Federal Reserve may assume, in the absence of a request for confidential treatment submitted in accordance with the Board’s “Rules Regarding Availability of Information,” 12 C.F.R. Part 261, that the Reporter and individual consent to public release of all details in the report concerning that individual.

Signature of Holding Company Director and Official
08/02/2022
Date of Signature

For holding companies not registered with the SEC—indicate status of Annual Report to Shareholders:

☐ is included with the FR Y-6 report
☐ will be sent under separate cover
☐ is not prepared

For Federal Reserve Bank Use Only

RSSID ID
C.I.

Date of Report (top-tier holding company’s fiscal year-end):
December 31, 2021
Month / Day / Year

NONE
Reporter’s Legal Entity Identifier (LEI) (20-Character LEI Code)

REPORTER’S NAME, STREET, AND MAILING ADDRESS

MIDDLEFIELD BANC CORP.
Legal Title of Holding Company

15985 EAST HIGH ST/PO BOX 35
Street / P.O. Box

MIDDLEFIELD
City
OH
State
44062
Zip Code

Physical Location (if different from mailing address)

Person to whom questions about this report should be directed:

REBECCA BRAHENHEY
Name

VP/CAO
Title

440-632-8241
Area Code / Phone Number / Extension

440-632-8223
Area Code / FAX Number

RBRAHENHEY@MIDDLEFIELDBANK.COM
E-mail Address

WWW.MIDDLEFIELDBANK.BANK
Address (URL) for the Holding Company’s web page

Is confidential treatment requested for any portion of this report submission? 0/No 1=Yes 1
In accordance with the General Instructions for this report (check only):

1. a letter justifying this request is being provided along with the report.
2. a letter justifying this request has been provided separately...

NOTE: Information for which confidential treatment is being requested must be provided separately and labeled as "confidential."

Public reporting burden for this information collection is estimated to vary from 1.3 to 101 hours per response, with an average of 5.50 hours per response, including time to gather and maintain data in the required form and to review instructions and complete the information collection. Send comments regarding this burden estimate or any aspect of this collection of information, including suggestions for reducing this burden, to: Secretary, Board of Governors of the Federal Reserve System, 200th and C Streets, NW, Washington, DC 20551, and to the Office of Management and Budget, Paperwork Reduction Project (7100-0297), Washington, DC 20503.
MIDDLEFIELD BANC CORP.
MIDDELFIELD, OH
Incorporated in Ohio
LEI N/A

THE MIDDLEFIELD BANKING COMPANY
MIDDLEFIELD OH
Incorporated in Ohio
LEI 5493007ZD2OVPMT217

MIDDLEFIELD STATUTORY TRUST I
MIDDELFIELD OH
Incorporated in Delaware
LEI N/A

EMORECO INC.
MIDDLEFIELD, OH
Incorporated in Ohio
LEI N/A

MIDDLEFIELD INVESTMENTS, INC
MIDDLEFIELD OH
Incorporated in Ohio
LEI N/A
<table>
<thead>
<tr>
<th>Date</th>
<th>Branch Name</th>
<th>Branch Manager</th>
<th>Branch City</th>
<th>Branch State</th>
<th>Branch Zip</th>
<th>Phone Code</th>
<th>Agency</th>
<th>Location</th>
<th>OID</th>
<th>External OID</th>
<th>Internal OID</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>06/03/2021</td>
<td>Main Office</td>
<td>John Doe</td>
<td>New York</td>
<td>NY</td>
<td>10001</td>
<td>555-1234</td>
<td>Agency</td>
<td>Location</td>
<td>OID</td>
<td>External OID</td>
<td>Internal OID</td>
<td>Notes</td>
</tr>
<tr>
<td>06/03/2021</td>
<td>Branch 1</td>
<td>Jane Smith</td>
<td>Los Angeles</td>
<td>CA</td>
<td>90001</td>
<td>555-5678</td>
<td>Agency</td>
<td>Location</td>
<td>OID</td>
<td>External OID</td>
<td>Internal OID</td>
<td>Notes</td>
</tr>
<tr>
<td>06/03/2021</td>
<td>Branch 2</td>
<td>Mark Johnson</td>
<td>Chicago</td>
<td>IL</td>
<td>60606</td>
<td>555-9876</td>
<td>Agency</td>
<td>Location</td>
<td>OID</td>
<td>External OID</td>
<td>Internal OID</td>
<td>Notes</td>
</tr>
</tbody>
</table>

* OID (Office Identifier) and Ext_OID (External Office Identifier) columns are the reference only. Verification of these values isn’t required.
REPORT ITEM 3: Securities Holders
(1)(a)(b)(c) and (2)(a)(b)(c)

<table>
<thead>
<tr>
<th>(1)(a) Names &amp; Address (City, State, &amp; Country)</th>
<th>(1)(b) Country of Citizenship or Incorporation</th>
<th>(1)(c) Number and Percentage of Each Class of Voting Securities</th>
<th>(2)(a) Names &amp; Address (City, State, &amp; Country)</th>
<th>(2)(b) Country of Citizenship or Incorporation</th>
<th>(2)(c) Number and Percentage of Each Class of Voting Securities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ancora Advisors LLC, Cleveland, Ohio, United States</td>
<td>USA</td>
<td>460,129 7.81% Common Stock (1)</td>
<td>NONE</td>
<td>NONE</td>
<td></td>
</tr>
</tbody>
</table>

(1) Percentage share ownership figure is based on 5,888,737 shares outstanding
(2) Based on information reported in Ancora Advisors' Form 13F filed with the SEC on February 14, 2022 and Ancora Advisors' Schedule 13D Amendment No. 2 filed with the SEC on November 10, 2021
(3) Ancora Advisors LLC does not hold options, warrants, or other securities or rights to acquire voting securities
<table>
<thead>
<tr>
<th>Names &amp; Address (City, State, &amp; Country)</th>
<th>Principal Occupation if other than with Bank Holding Company</th>
<th>Title &amp; Position with Holding Company</th>
<th>Title &amp; Position with Subsidiary (include names of subsidiaries)</th>
<th>Title &amp; Position with Other Businesses (include names of other businesses)</th>
<th>Percentage of Voting Shares in Subsidiaries (include names of subsidiaries)</th>
<th>Other Companies (includes partnerships) if 25% or more of voting securities are held</th>
<th>List Names of Other Companies and percentage of voting securities held</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thomas W. Bevan</td>
<td>Attorney</td>
<td>Director</td>
<td>Director Middlefield Banking Co</td>
<td>Partner Bevan &amp; Associates, LPA, Inc. See Confidential Exhibit</td>
<td>0.86% None</td>
<td>N/A</td>
<td>See Confidential Exhibit</td>
</tr>
<tr>
<td>Thomas G. Caldwell</td>
<td>N/A</td>
<td>President &amp; CEO Director</td>
<td>President &amp; CEO Director Middlefield Banking Co</td>
<td>N/A</td>
<td>0.86% None</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Aurora, OH USA</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Brecksville, OH USA</td>
<td>President Independence Construction</td>
<td>Director</td>
<td>Director Middlefield Banking Co</td>
<td>Principal DiGeronomo Companies See Confidential Exhibit</td>
<td>0.01% None</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>James R. Heslop, II</td>
<td>N/A</td>
<td>Executive VP, COO &amp; Director</td>
<td>Executive VP, COO &amp; Director Middlefield Banking Co</td>
<td>N/A</td>
<td>0.50% None</td>
<td>N/A</td>
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<tr>
<td>Chardon, OH USA</td>
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<td></td>
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<td></td>
<td></td>
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<tr>
<td>Kenneth E. Jones</td>
<td>Retired</td>
<td>Director</td>
<td>Director Middlefield Banking Co</td>
<td>N/A</td>
<td>0.12% None</td>
<td>N/A</td>
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<tr>
<td>Blacklick, OH USA</td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Daryl E. Mast</td>
<td>Retired</td>
<td>Director</td>
<td>Director Middlefield Banking Co</td>
<td>N/A</td>
<td>0.62% None</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Aurora, OH USA</td>
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</tr>
<tr>
<td>James J. McCaskey</td>
<td>President McCaskey Landscape &amp; Design LLC</td>
<td>Director</td>
<td>Director Middlefield Banking Co</td>
<td>President McCaskey Landscape &amp; Design LLC</td>
<td>0.14% None</td>
<td>100% McCaskey Landscape &amp; Design LLC</td>
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</tr>
<tr>
<td>Chardon, OH USA</td>
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</tr>
<tr>
<td>William J. Skidmore</td>
<td>Retired</td>
<td>Chairman Board of Directors</td>
<td>Chairman Board of Directors Middlefield Banking Co</td>
<td>N/A</td>
<td>0.34% None</td>
<td>N/A</td>
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</tr>
<tr>
<td>Chardon, OH USA</td>
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</tr>
<tr>
<td>Donald L. Stacy</td>
<td>N/A</td>
<td>Treasurer &amp; CFO</td>
<td>N/A</td>
<td>N/A</td>
<td>0.22% None</td>
<td>N/A</td>
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</tr>
</tbody>
</table>
REPORT ITEM 4: INSIDERS
(1) (2) (3)(a)(b)(c) and 4(a)(b)(c)

<table>
<thead>
<tr>
<th>Names &amp; Address (City, State, &amp; Country)</th>
<th>Principal Occupation if other than with Bank Holding Company</th>
<th>Title &amp; Position with Holding Company</th>
<th>Title &amp; Position with Subsidiary (include names of subsidiaries)</th>
<th>Title &amp; Position with Other Businesses (include names of other businesses)</th>
<th>Percentage of Voting Shares in Subsidiaries (include names of subsidiaries)</th>
<th>Percentage of Voting Securities Held</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carolyn J. Turk</td>
<td>Senior Internal Auditor</td>
<td>Director</td>
<td>Director</td>
<td>Senior Internal Auditor</td>
<td>None</td>
<td>N/A</td>
</tr>
<tr>
<td>Orwell, OH USA</td>
<td>Molded Fiber Glass Company</td>
<td>Middlefield Banking Co</td>
<td>Molded Fiber Glass Company</td>
<td>Middlefield Banking Co</td>
<td>0.51%</td>
<td>N/A</td>
</tr>
<tr>
<td>Michael C. Voinovich</td>
<td>Chief Investment Officer</td>
<td>Director</td>
<td>Director</td>
<td>Director</td>
<td>Anchor Bancorporation, Inc.</td>
<td>N/A</td>
</tr>
<tr>
<td>Cleveland Heights, OH USA</td>
<td>ECHO</td>
<td>Middlefield Banking Co</td>
<td>Director</td>
<td>Anchor, Illinois</td>
<td>Anchor, Illinois</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Anchor State Bank</td>
<td>Anchor, Illinois</td>
<td>N/A</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Chief Investment Officer &amp; EVP</td>
<td>ECHO</td>
<td>N/A</td>
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<tr>
<td></td>
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<td></td>
<td>GBank Financial Holdings, Inc.</td>
<td>Las Vegas, Nevada</td>
<td>N/A</td>
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<tr>
<td></td>
<td></td>
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<td></td>
<td>Bank of George</td>
<td>Las Vegas, Nevada</td>
<td>N/A</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Director</td>
<td>RSI Solutions, LLC</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Beachwood, Ohio</td>
<td>N/A</td>
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</tbody>
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