

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

Form SD

SPECIALIZED DISCLOSURE REPORT

Electro-Sensors, Inc.

(Exact Name of Registrant as Specified in Charter)

Minnesota
(State or Other Jurisdiction
of Incorporation)

000-09587
(Commission File No.)

41-0943459
(I.R.S. Employer
Identification Number)

6111 Blue Circle Drive Minnetonka, MN
(Address of Principal Executive Offices)

55343-9108
(Zip Code)

David L. Klenk **952-930-0100**
(Name and telephone number, including area code, of the
person to contact in connection with this report)

Check the appropriate box to indicate the rule pursuant to which this form is being filed, and provide the period to which the information in this form applies:

☒ Rule 13p-1 under the Securities Exchange Act (17 CFR 240-13p-1) for the reporting period January 1 to December 31, 2024.

SECTION 1 – CONFLICT MINERALS DISCLOSURE

ITEM 1.01 CONFLICT MINERALS DISCLOSURE AND REPORT

This Specialized Disclosure Report on Form SD of Electro-Sensors, Inc. (“ESI”) for the year ended December 31, 2024 is presented to comply with Rule 13p-1 under the Securities Exchange Act of 1934 (“Rule”). Numerous terms in this Form SD are defined in the Rule, the instructions to Form SD, and the SEC Release relating to the Rule (Release No. 34-67716 dated August 22, 2012). Unless otherwise defined in this Form SD or the attached Conflict Minerals Report, such terms have the meanings ascribed to them in these sources.

The report presented herein is not audited as the Rule provides that if a registrant’s products are “DRC conflict undeterminable”, the Conflict Mineral Report is not subject to an independent private sector audit.

ESI has determined that certain Conflict Minerals, tantalum, tin, tungsten, and gold, are necessary to the functionality or production of the products ESI manufactures or contracts to manufacture.

ESI conducted a reasonable country of origin inquiry regarding Conflict Minerals utilized in its products. That reasonable country of origin inquiry was designed to determine whether those Conflict Minerals present in ESI products originated in the Covered Countries or arose from recycled or scrap sources. That reasonable country of origin inquiry revealed that ESI is unable to determine if necessary Conflict Minerals used in our products originated from the Covered Countries, but ESI has no reason to believe that its necessary Conflict Minerals may have originated in the Covered Countries.

Accordingly, ESI exercised due diligence regarding the source and chain of custody of its necessary Conflict Minerals through utilization of a nationally recognized due diligence framework, as more particularly described in ESI’s Conflict Minerals Report furnished with this Form SD as Exhibit 1.01.

ITEM 1.02 EXHIBIT

ESI’s Conflict Minerals Report for the reporting period of January 1 to December 31, 2024 is furnished as Exhibit 1.01 and is also available at the Company’s website at www.electro-sensors.com under About/Investor Information/Corporate Governance.

SECTION 2 – EXHIBITS

ITEM 2.01 EXHIBITS

Exhibit 1.01 – Conflict Minerals Report as required by Items 1.01 and 1.02 of this Form.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the duly authorized undersigned.

Electro-Sensors, Inc.

May 30, 2025

/s/ David L. Klenk

David L. Klenk
Chief Executive Officer and Chief Financial
Officer

**ELECTRO-SENSORS, INC.
CONFLICT MINERALS REPORT
REPORTING YEAR: 2024**

NOTE REGARDING DEFINED TERMS

Unless otherwise defined in this Conflict Minerals Report, terms used in this Conflict Minerals Report have the meanings ascribed to them by Rule 13p-1 adopted under the Securities Exchange Act of 1934 (“Rule”), the instructions to Form SD, and the Securities and Exchange Commission Release relating to the Rule (Release No. 34-67716 dated August 22, 2012).

COMPANY OVERVIEW

Electro-Sensors, Inc. (“ESI” or the “Company”) designs and manufactures several different types of monitoring systems that measure actual production and operation rates, as well as systems that regulate the speed of related machines in the production process.

Several of our products contain conflict minerals due to the presence of such minerals in parts obtained from suppliers, contract manufacturers, or from the utilization of conflict minerals in the manufacturing processes employed by ESI or our manufacturers.

ESI is not a vertically integrated manufacturer and instead relies on the purchase of higher level assemblies and products. ESI is several levels removed from the actual mining of conflict minerals. ESI does not make purchases of raw ore or unrefined conflict minerals. ESI has a Conflict Minerals Policy that is available on its website at www.electro-sensors.com under About/Investor Information/Corporate Governance. Adoption and communication of this Conflict Minerals Policy is part of the Company’s due diligence and supply chain outreach effort relating to conflict minerals.

REASONABLE COUNTRY OF ORIGIN INQUIRY

Subsequent to ESI’s initial assessment that certain parts likely contain conflict minerals, ESI conducted a reasonable country of origin inquiry to determine which ESI-utilized parts contain conflict minerals and whether such conflict minerals originated in the Democratic Republic of the Congo or an adjoining country (collectively, the “Covered Countries”). ESI contacted each of its relevant suppliers or manufacturers and asked them to provide information on (1) the conflict minerals contained in each of the parts supplied by the supplier or manufacturer and (2) the source of the conflict minerals, including smelter/refinery information and location of mines. Each supplier or manufacturer was asked to complete the Electronic Industry Citizenship Coalition Global e-Sustainability Initiative (EICC-GeSI) Conflict Minerals Reporting Template. Of the 195 suppliers and manufacturers identified as supplying ESI with product in 2024 and subsequently contacted, 172 replied with some conflict minerals data. Due to the unresponsiveness of certain suppliers and manufacturers and the incompleteness of certain responses received, ESI is unable to determine if conflict minerals are present in certain of its products, as well as conflict minerals utilized in the production of certain parts, originated from the Covered Countries, but ESI has no reason to believe that our necessary Conflict Minerals may have originated in the Covered Countries.

DUE DILIGENCE - STANDARD UTILIZED

ESI designed its due diligence framework to conform in all material respects with the framework provided by The Organization for Economic Co-operation and Development (OECD) Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas (including the related supplements applicable to particular conflict minerals), an internationally-recognized due diligence framework.

DUE DILIGENCE - PROCESS

The ESI due diligence exercise included:

1. Submitting the EICC - GeSI Conflict Minerals Reporting Template to each supplier or manufacturer of parts. That template provided a standardized method for ESI use in the collection of representations, statements and data from suppliers and manufacturers relative to the presence, use, source and chain of custody of conflict minerals in parts that are incorporated in ESI products for sale to end-use customers.
2. Comparing smelters identified in the reporting templates against the list of smelter facilities which have been identified as "conflict free" by the EICC-GeSI Conflict Free Sourcing program.
3. In numerous instances ESI received, after repeated inquiries, conflicting or incomplete information regarding those facilities utilized to process necessary conflict minerals in parts, as well as insufficient information regarding the mine(s) or source(s) of origin of those conflict minerals. Nevertheless, each supplier and manufacturer response was evaluated and, where possible, validated to determine sufficiency, accuracy or completeness of its response. For each supplier or manufacturer's response, ESI subsequently assessed whether the conflict minerals identified, or those conflict minerals that may not have been identified, were consistent with the nature and characteristics of the part.
4. In some instances, ESI did not receive a response from a vendor or manufacturer. These vendors and manufacturers were contacted numerous times and still did not respond. ESI then researched the vendor or manufacturer's website for information about conflict minerals, including but not limited to their 2024 Conflict Mineral Report and their Conflict Mineral Policy.

DUE DILIGENCE - RESULTS

Due to the number of supplier and manufacturer responses that were determined to be uncertain or unknown relative to the question of sourcing of raw materials, ESI's due diligence efforts in 2024 were unable to precisely determine whether or not all parts in its supply chain contain necessary conflict minerals or, in the alternative, utilized conflict minerals in their manufacture, that either financed or benefited, directly or indirectly, armed groups in the Covered Countries.

Based on the Company's due diligence efforts to date, the Company does not have sufficient information to determine the country of origin of, or the facilities used to process, the Conflict Minerals necessary to the functionality or production of its products.

RISK MITIGATION - IMPROVEMENT PROGRAM

The steps that ESI will continue to take in reporting year 2025 to mitigate the risk that ESI conflict minerals benefit or finance armed groups are as follows:

1. ESI will continue to work with suppliers and manufacturers who provided incomplete or insufficient information or who did not respond in an effort to obtain complete and accurate information in 2025;
2. ESI will again request information and supporting data from each supplier or manufacturer providing parts to ESI that are subject to 2025 reporting requirements by utilizing the EEIC-GeSI Conflict Minerals Reporting Template; and will pursue a completed template response that identifies material down to the smelter and mine.
3. ESI will again follow its due diligence process to review and validate supplier and manufacturer responses that are obtained in support of ESI 2025 conflict minerals reporting.
4. ESI will provide its Conflict Minerals Policy to new suppliers and manufacturers as part of its EEIC-GeSI Conflict Minerals Reporting Template inquiry process for 2025.
5. ESI continues to include a conflict minerals clause in its purchase order standard terms and conditions for future suppliers or renewals by existing suppliers.

PRODUCT DESCRIPTION

The following product families in ESI's hazardous monitoring sensors and systems were included in ESI's solicited supplier and manufacturer information regarding conflict mineral content or conflict mineral used in production.

Product Family

Shaft Speed Switches
Shaft Speed Sensors
Mounting Hardware
Shaft Speed Pulse Generators
Temperature Sensors
Hazard Monitoring Systems
Slide Gate, Valve, and Angle Sensors
Signal Conditioners and Interface
Tachometers, Counters, and Displays
Vibration Monitors
Tilt Switches
Motor Drive Controllers
HazardPRO products

All of the above product families may contain one or more of the Conflict Minerals.