



Responsible Care®
OUR COMMITMENT TO SUSTAINABILITY

JSR Group CSR Report 2017 Independent Review Report

July 14, 2017

To: Mitsunobu Koshiba,
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Chief Director, Responsible Care Verification Center
Japan Chemical Industry Association

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■ Objective of Verification

This Responsible Care® report verification is performed by the Responsible Care Verification Center with respect to the “JSR Group CSR Report 2017 (Online Version) and its Highlight Version” prepared by JSR Corporation (hereinafter, “Report”), with the objective of verifying the following and reporting opinions from the perspective of an independent third-party specialist in the chemical industry.

- 1) The reasonableness of the calculation and aggregation methods of performance indices (numerical data) and the accuracy of the numerical data
- 2) The accuracy of information other than numerical data
- 3) Responsible Care and CSR activities
- 4) Characteristics of the Report

■ Verification Methodology

- At the Head Office: An inspection concerning the reasonableness of the aggregation method of numerical data reported from each site (office, plant) as well as the accuracy of information other than numerical data. It was conducted by interviewing relevant business managers and Report editors concerning the content as well as receiving necessary documents and explanation.
- At the Chiba Plant: An inspection concerning the reasonableness of the calculation methods of numerical data reported to the Head Office and the accuracy of numerical data as well as the accuracy of information other than numerical data. It was conducted by interviewing relevant business managers and Report editors, receiving necessary documents and explanations, and checking them against evidence.
- The numerical data and other information provided in the Report were inspected by sampling.

■ Opinion

- 1) The reasonableness of the calculation and aggregation methods of performance indices (numerical data) and the accuracy of the numerical data
In this item, we have confirmed the following:
 - Reasonable methods were adopted for the calculation and aggregation of numerical data at both the Head Office and the Chiba Plant.
 - Within the inspection, the numerical data is calculated and aggregated accurately.
- 2) The accuracy of information other than numerical data
In this item, we have confirmed the following:
 - Information provided in the Report is accurate. Some suggestions were given at the drafting stage concerning inappropriate expressions and difficult-to-understand text; however, they all have been corrected in the current Report.
- 3) Responsible Care (RC) and CSR activities
 - We positively acknowledge company-wide activities aimed at establishing a safety foundation. We hope to see systematic implementation and further improvements in areas that include improvement of equipment and facilities, creation and sharing of a database of accident cases, development of training systems to reinforce the transfer of technical knowledge, and HAZOP-based reevaluation of processes and identification of risk factors.
 - We positively acknowledge JSR’s initiatives aimed at achieving “mutual enlightenment”-based “felt leadership” in building a safety culture. We hope JSR will take steady steps forward in this area, beginning with line managers who take the initiative in demonstrating action that is “felt by subordinates” and extending to all members, including administrative staffers, who stimulate the entire organization through mutual enlightenment.
 - The ideals of a consistent “challenge-oriented posture” and “initiatives to fully apply people’s unique attributes” that are noted in JSR’s Course of Action appear in various settings and places, including in dialogues with experts. We hope JSR will become even more active in addressing work-style reform and the digital revolution.
 - We positively evaluate the fact that various initiatives are being implemented at the Chiba Plant. They include taking action with clear priority themes set forth in an RC promotion plan and reinforcing safety-oriented initiatives; preparing a KK (*kiken-kanjusei* [danger sensitivity] and *kiken-kankosei* [danger reactivity]) map based on questionnaires, ascertaining actual circumstances in the organization, and responding by calling attention to dangers through sharing of actual experiences with HH (*hiyari hatto*; close calls and near accidents); and holding “blind scenario”-based drills (with the participation of operators and their section chiefs) and making use of them to improve response when plant abnormalities occur, transferring technologies, and maintaining security.
- 4) Characteristics of the Report
 - Prepared to be easily comprehensible and readable, this Report consists of an Online Version that reports JSR Group initiatives on CSR activities with comprehensive data and a Highlight Version that summarizes the highlights of the Online Version.