

JCM Sustainable Development Implementation Plan Form**A. Project description**

A.1. Title of the JCM project

Introduction of High-efficiency Once-through Boiler System in Film Factory
--

A.2. Contact information

Name of the focal point entity (ies):	Mitsubishi Chemical Corporation
Name of authorized signatory	Mr. <input checked="" type="checkbox"/> Ms. <input type="checkbox"/>
Last name: Takahashi	First name: Hideo
Title: Senior Manager	

B. Possible Contribution to Sustainable Development

B.1 Plan for possible contribution to SD

No.	Items	Questions	Yes/No	If answer is Yes, please describe the action plans.
1	EIA	Does the proposed project require official/legal process of EIA?	No	
2	Pollution Control (No need to answer if EIA is required)	Does the proposed project emit air pollutants?	Yes	Emittance from chimney of the boiler is checked every 6 months in accordance with “PERATURAN MENTERI NEGARA LINGKUNGAN HIDUP NOMOR 07 TAHUN 2007 TENTANG BAKU MUTU EMISI SUMBER TIDAK BERGERAK BAGI KETEL UAP” and MC Pet implements periodical check every 3 months in accordance with their voluntary standard. The monitoring result shows it is within the environmental standard. The latest result is attached.
3		Does the proposed project discharge water pollutants or substances which influence BOD, COD or ph, etc.?	Yes	1 Nov 2016 - 8 Jan 2018: PT. Wastec International handles the wastewater from MC Pet Film. Permission of PT. Wastec International is attached. 9 Jan 2018 - Present: The wastewater treatment plant is already installed and running in MC Pet and the treated wastewater passes the water quality test for discharging it to the sea in accordance with “PERATURAN MENTERI NEGARA LINGKUNGAN HIDUP NOMOR 01 TAHUN 2010 TENTANG TATA LAKSANA PENGENDALIAN PENCEMARAN AIR” and “PERATURAN MENTERI NEGARA LINGKUNGAN HIDUP REPUBLIK INDONESIA NOMOR 5 TAHUN 2014 TENTANG BAKU MUTU AIR LIMBAH”. The quality of treated wastewater needs to be checked every 6 months in accordance with the regulation, while MC Pet conducts the check every 3 months in accordance with their voluntary standard. The latest result is attached.
4		Does the proposed project generate waste?	Yes	Small quantity of packaging waste is generated for delivery of the boiler, spare parts and consumables. PT. Wastec International handles the waste from MC Pet Film. The permission of PT. Wastec International is attached.

5		Does the proposed project increase noise and/or vibration from the current level?	No	
6		Does the proposed project cause ground subsidence?	No	
7		Does the proposed project cause odor?	No	
8	Safety and health	Does the proposed project create dangerous condition for local communities as well as individuals involved in the project, during either its construction or its operation?	Yes	In order to get approved as a boiler operator, the result of boiler inspection by PT. NETRA SEMPURNA is reported to DEPARTMEN TENAGA KERJA in accordance with PERATURAN MENTERI TENAGA KERJA NOMOR: PER.01/MEN/1988. MC pet implements the inspection every timing of maintenance (every 1-2 years) in accordance with their voluntary standard while the law requires it every 2 years. The latest report is attached.
9		Is the proposed project site located in protected areas designated by national laws or international treaties and conventions?	No	
10		Does the proposed project change land use of the community and protected habitats for endangered species designated by national laws or international treaties and conventions?	No	
11		Does the proposed project bring foreign species?	No	
12	Natural Environment and biodiversity	Does the proposed project include construction activities considered to affect natural environment and biodiversity (e.g., noise, vibrations, turbid water, dust, exhaust gases, and wastes)?	No	
13		Does the proposed project use surface water, ground water and/or deep ground water?	Yes	PT Mitsubishi Chemical Indonesia (MCCI) purchases demineralized water from PT Krakatau Tirta Industri (KTI). With additional treatment by MCCI, MC Pet Film purchases the boiler water from MCCI in accordance with the agreement between MCCI and MC Pet Film. KTI's source of water is explained in the following website that the water is fetched from Cidanau river. Thus the project uses surface water. https://www.krakatautirta.co.id/templates/frontend/sumbair.php
14	Economy	Does the proposed project have negative impact on local	No	

		workforce capacity?		
15		Does the proposed project have negative impact on local community's welfare?	No	
16	Social Environment and Community Participation	Does the proposed project cause any resettlement or other types of conflict?	No	
17		Does the proposed project fail to involve activities to respond to, and follow up, comments and complaints that have been received from local communities, particularly from the public consultation?	No	
18		Do the project participants violate any laws and/or ordinances associated with the working conditions of local communities which the project participants should observe in the project?	No	
19	Technology	Does the proposed project fail to involve activities to build capacity of human resources through technology transfer and technical assistance?	No	
20		Does the proposed project fail to describe information of technology specification that consists of manual book and ways to overcome the problems that may occur when being operated on the site, at least in English and in Bahasa Indonesia as applicable?	No	

References

--

Revision history of SDIP

Version	Date	Contents revised
1.0	02/10/2018	
	<u>27/02/2019</u>	<u>Positively reviewed by the secretariat</u>