



PT Astra Agro Lestari Tbk



Fire Prevention

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Fire Prevention



Astra Agro's "No Burning" Policy was first issued many years ago and is unconditionally implemented in all subsidiaries. Since three years ago, the fire prevention system has been steadily strengthened and refined, mainly as a response to the vulnerability of lands to fire due to the long drought in 2015. This system continues to be implemented until now and is considered an effective method of fire prevention. It comprises:

1. Fire Emergency Response Team



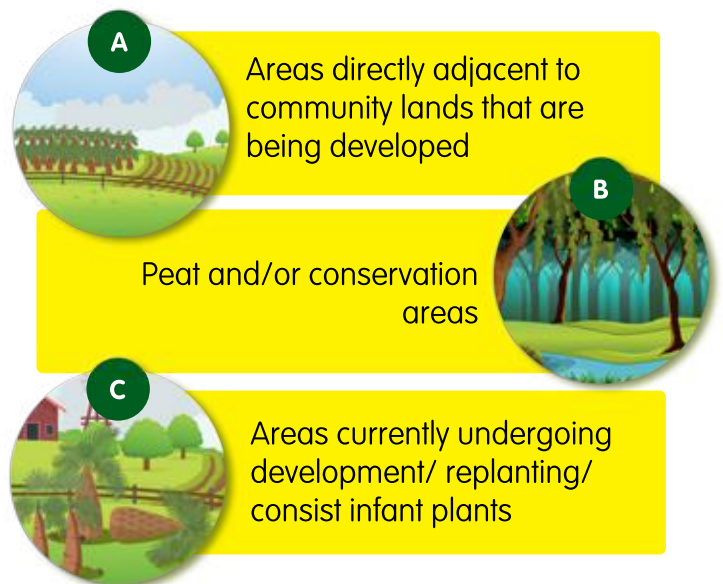
The fire emergency response organization is an ad hoc organization in each plantation, tasked with implementing fire prevention programs directly on the field.

Fire Emergency Response Team



2. Identification of Fire-Prone Areas

Areas categorized as fire prone exhibit the following characteristics:



The identification of fire-prone areas has been carried out comprehensively in all subsidiaries and the information of this program has been socialized to all employees.

3. Setting the fire Early Warning System (EWS)



An early warning system (EWS) has been established to provide accurate initial information so that potential fires can be anticipated earlier and the prevention and control of fires can be carried out effectively. EWS is explained as follows:



The installation of the Auto Weather System (AWS) in each plantation to monitor the development of local weather will provide information regarding the level of aridity and humidity in any given plantation

Monitoring hotspots from available networks such as Lapan and Sipongi. If a hotspot is observed in and around the concession, the patrol team must conduct a ground check



Team and monitoring facility establishment. If the AWS data shows no rainfall in three days and the weather tends to be hot ($> 30^{\circ}\text{C}$), then the team will move to closely monitor the area, especially at vulnerable locations

4. Meeting the Facility and Infrastructure Standards



The availability and adequacy of ready-to-use fire prevention equipment and facilities are very important factors in fire prevention and response. Meeting facility standards for each plantation refers to Agriculture Minister Regulation No. 5/2018 on the Development and/or Processing of Plantation Land without Burning, but we also consider meeting facility standards based on the extent and vulnerability of each plantation.

The company has also built supporting infrastructure including water belting, road access and water sources which include water bags, ponds and installations/networks to flow water into blocks (rewetting system).

5. Fire Prevention Program with Communities and Authorities



In safeguarding the concession area from fires, one of the most important efforts is to control all potential fires on community lands around the company's concession. Therefore, the company actively participates with authorities in forming the "Communities Care about Fires Program" (MPA). MPA is a village-level emergency response organization formed by the villages and sub-district heads and consists of representative citizenry capable of carrying out emergency fire response tasks.

The role of the company is to facilitate the formation of the MPA and then jointly conduct fire trainings and simulations. Astra Agro also assists in providing equipment for established MPAs.

The MPA team is tasked with conducting early fire patrols and countermeasures in their respective areas and provide information to Astra Agro's emergency response team if they require assistance from our facilities and/or personnel.

6. Information Dissemination and Training Programs



Fire training and simulation are conducted periodically in collaboration with relevant institutions, including the Forestry Agency, Manggala Agni and BKSDA (Natural Resources Conservation Center).

The training covers issues related to regulations, methods for fire prevention information dissemination, and increasing the team's capacity to overcome fires. We also involve MPA teams in the training, and actively disseminate information to employees and the surrounding communities through meetings, distribution of leaflets and installation of signs.

Monitoring and Evaluation



To ensure continued effectiveness of the fire prevention system, we have identified several steps that need to be taken to monitor and evaluate the implementation of the system.

The monitoring and evaluation methods are as follows:

1. Online Group Discussion (OGD)



- To provide conditional updates (EWS) and other field activities that must be quickly relayed from all plantations to the head office on a daily basis.
- To provide feedback, general direction, early warning of potential fire hazards in certain plantations/areas based on hotspot monitoring..
- As a forum for the exchange of information and experience in conducting fire prevention programs between plantations.

2. Monthly Reports



Monthly activity reports will be evaluated by the fire prevention team at the head office and will be followed up based on the needs of each plantation. The report consists of several aspects of activities such as:

- Maintenance of the equipment/ methods of handling fires
- Information dissemination activities to employees and the community
- Training and simulation activities
- Early warning system activities
- Fire prevention patrol activities
- Report of land development by communities surrounding the location (if any)
- Fire control reports (if any)
- Identify the problem and plan for improvements

3. Internal and Cross Assessments



This assessment aims to maintain consistency and assess the effectiveness of the system's implementation. In addition to being conducted by the person in charge (PIC) in each plantation, the assessment is also carried out cross-sectionally by the PIC or teams outside the relevant plantations, aiming to improve the validity of the final assessment results.

The assessment criteria consist of the following four elements:

- 1) Application of the standard operational procedure (SOP) for emergency preparedness and response to fire
- 2) Establishment of facilities and infrastructure
- 3) Readiness of water sources
- 4) Involvement of the surrounding communities

The final result of this assessment is presented with a score that depicts the achievement level of the system's implementation in a given plantation. These two assessments are conducted once a year, where the final results of this assessment process will be evaluated for follow up whenever needed.

Green Level

System has been implemented thoroughly

Yellow Level

The system's implementation is still moderate, however there are no major findings

Red Level

The system implementation is still not running thoroughly and/ or there are major findings



PT Astra Agro Lestari Tbk

Jakarta Head Office

Jln. Puloayang Raya Blok OR I
Kawasan Industri Pulogadung
Jakarta 13930 - Indonesia



(+62-21) 4616 555



(+62-21) 4616 682 / 4616 689



sustainability@astra-agro.co.id



www.astra-agro.co.id