



**PUBLIC SUMMARY
1st SURVEILLANCE AUDIT (4th CYCLE) ON
NEGERI SEMBILAN FOREST MANAGEMENT UNIT
FOR FOREST MANAGEMENT CERTIFICATION**

**Certificate Number: FMC 0002
Date of First Certification: 29 December 2009
Audit Date: 7-9 October 2019
Date of Public Summary: 31 January 2020**

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EXECUTIVE SUMMARY

This surveillance audit on the Negeri Sembilan Forest Management Unit (hereafter referred as the NSSFD) was conducted on 7th -9th October 2019 to assess the continued compliance of the overall forest management system of the Negeri Sembilan FMU against the requirements of the *Malaysian Criteria and Indicators for Forest Management Certification (Natural Forest)* [MC&I(Natural Forest)] using the verifiers stipulated for Peninsular Malaysia. The scope of this recertification audit was limited to the forest management system and practices on the Permanent Reserved Forest (PRF) within the Negeri Sembilan FMU.

This recertification audit was conducted by a 5-member team comprising Mohd Razman bin Salim (Lead Auditor), Dr Samsudin Musa (Auditor), Puteri Arlydia Abdul (Auditor), Aida Adnan (Trainee auditor) and Khairul Najwan bin Ahmad Jahari (Observer)

In general, the findings of this recertification audit have indicated that the FMU had complied with most of the requirements of the MC&I (Natural Forest) despite the issuance of total one (1) Major and six (6) Minor Non-Conformance Report (NCRs) on the Negeri Sembilan FMU, against the requirements of the MC&I (Natural Forest).

2 INTRODUCTION

2.1 Name of FMU

Negeri Sembilan Forest Management Unit

2.2 Contact Person and Address

Name: Tn. Hj. Saleh Awaludin

Designation: Director

Address: Negeri Sembilan State Forestry Department

Level 4, Blok C, Wisma Negeri

Jalan Dato' Abdul Malek

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NEGERI SEMBILAN.

Phone #: 06-765 9849

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2.3 General Background on the Negeri Sembilan FMU

The Negeri Sembilan Forest Management Unit (hereafter referred to as 'the Negeri Sembilan FMU') was awarded the Certificate for Forest Management against the MC&I (2002) following the Stage 2 Audit that was conducted on 27-31 July 2009. Following the certification, the first surveillance audit was conducted on 21-23 July 2010, while the second surveillance audit on 13-15 July 2011. The recertification audit that was conducted on the FMU on 3-7 September 2012, which had resulted in the renewal of a Certificate for Forest Management against the new MC&I (Natural Forest) to the NSSFD.

The surveillance 1 audit (second cycle) on the Negeri Sembilan FMU was conducted from 20-22 August 2013. The following surveillance 2 audit was conducted from 2-4 September 2014. The recertification (second cycle) audit for renewal of the MC&I (Natural Forest) certification was conducted from 26-30 October 2015.

During the Recertification Audit in 2015, the total certified area was increased from 154,676.23 ha to 155 824.81 ha due to new gazettelement of three (3) Permanent Reserved Forests for Paya Bakau Forest Reserve, Kenaboi Forest Reserve and Gemas Selatan Forest Reserve with total area of 1,148.58 ha on 7 May 2012.

The state total land area was also increased from 664,591 ha to 665,700 ha based on letter dated 18 September 2012 from Forestry Department Peninsular Malaysia Headquarters.

However, during the Surveillance 1 Audit (third cycle) in 2016 which was conducted on 25-26 October 2016 & 28 February – 1 March 2017, it was found that 175.25 ha of Permanent Reserved Forest (PRF) area were degazetted for educational facilities, agricultural, and Orang Asli Reserved. Thus, the total certified area was reduced from 155,824.81 ha to 155,649.56 ha.

Surveillance 2 Audit as conducted from 15-17 November 2017, as per previous audit scope which is 155,649.56 ha. However, during this Recertification Audit on 1-5 October 2018, the scope of audit reduced to 155,548.68, due to degazetment of agriculture purposes, alianted land and water pond for Syarikat Air Negeri Sembilan. Details of the degazetment were reported in Indicator 2.1.1.

For this Surveillance 1 Audit (fourth cycle) from 7-9 October 2019, the audit scope was maintained as previous audit. The scope of the audit is limited to the forest management system and practices of the natural forest within the PRF of the FMU. The certified FMU area consists of mainly of Hill and Upper Hill Dipterocarp Forests with patches of Lowland Dipterocarp Forest which are currently protected mainly for research purposes.

A map of the FMU showing the significant features of the forest is attached in **Attachment 1**.

2.4 Date First Certified

29 December 2009

2.5 Location of the FMU

The FMU is located at 2° 29" N to 3° 5" N and 101° 49" E to 102° 35"E

2.6 Forest Management System

The FMU had followed the principles of sustainable forest management (SFM) and the requirements of the Licence Agreement of the State government. A Forest Management Plan (FMP) (2016) to (2025) was presented during this audit.

2.7 Annual Allowable Cut/Annual Harvest under the Forest Management Plan

Forest Management Plan (FMP) covering the period from 2016 to 2025, stated that the Annual Allowable Cut (AAC) for the FMU had been set at 2,397 ha.

2.8 Environmental and Socioeconomic Context

The MEIA Report produced in 2007 for Negeri Sembilan FMU is made available during the audit. The NNSFFD had identified and maintained records of Orang Asli settlements in the PRFs. The NNSFFD had respected the Orang Asli villagers' claim that they had been living in the area for generations even though there was no documentation of their legal right on the forest land. The NNSFFD had made no attempt to move the Orang Asli from the PRFs.

There were no non-Orang Asli communities with legal or customary or use rights in the FMU. There were rural villagers, who were still dependent to some extent on the forest for construction materials, food sources, medicinal plants and water sources. Details on the Orang Asli issue could be referred at Principles 2 & 3.

3. **AUDIT PROCESS**

3.1 Audit Dates

7th -9th October 2018

SQAS/MSC/FOR/30-27a

Issue 1 Rev 0

3.2 Audit Team

1. Mohd Razman bin Salim (Lead Auditor)
2. Dr Samsudin Musa
3. Puteri Arlydia Abdul

The details on the experiences and qualifications of the audit team members are as in **Attachment 2**.

3.3 Standard Used

Malaysian Criteria and Indicators for Forest Management Certification (Natural Forest) [MC&I(Natural Forest)] using the verifiers stipulated for Peninsular Malaysia.

3.4 Stakeholder Consultations

A stakeholder consultation was conducted in September 2019 for a period of one month. There were four (4) comments received from the stakeholders. Refer to Appendix VI for the comment details.

3.5 Audit Process

The audit was conducted primarily to evaluate the level of continued compliance of the Negeri Sembilan FMU's current documentation and field practices in forest management with the detailed of the standard of performances (SOPs) listed in the MC&I(Natural Forest), using the verifiers stipulated for Peninsular Malaysia.

For each Indicator, the auditors had conducted either a documentation review, consultation with the relevant personnel of the FMU, local community or stakeholders or field audit or a combination of these methods. Depending on the compliance with the verifiers for a particular indicator, the auditors then decided on the degree of the FMU's overall compliance with the indicator and decided whether or not to issue a major or minor NCR or an OFI which is defined as follows:

- (i) a major NCR is a non-compliance with the requirements of the MC&I (Natural Forest);
- (ii) a minor NCR is a deviation or a lapse in complying with the requirements of the MC&I (Natural Forest); and
- (iii) an OFI is a situation where the auditor has noted an area of concern on the capability of the forest management system to achieve conformance to the requirements of the MC&I (Natural Forest) but without sufficient objective evidence to support a non-conformance.

The coverage of this recertification audit is as shown in the surveillance audit Plan in **Attachment 4**.

4 SUMMARY OF AUDIT FINDINGS

A total of one (1) Major Non-Conformities Reports (NCR) (upgraded of previous Minor NCR) and six (6) Minor NCRs against requirements of MC&I (Natural Forest) were raised. Negeri Sembilan FMU showed their commitment to address the non-conformities by establishing action plans. The assessment team has received and accepted the action plans for all non-conformities as detailed in Appendix IV.

The previous year of two (2) major and four (4) minor non-conformities were satisfactorily closed following verification of the implemented corrective actions, except one (1) NCR's was upgraded to a Major Non-Conformity. Refer to **Attachment 5**.

The previous year of four (4) minor non-conformities were satisfactorily closed following verification of the implemented corrective actions, except one (1) NCR's was upgraded to a Minor Non-Conformity. Refer to **Attachment 6**.

The summary on the findings of the surveillance audit on the Negeri Sembilan FMU against the requirements of the MC&I (Natural Forest) are as follows:

Principle	Strengths	Weaknesses
<p>Principle 1 Compliance with Laws and Principles</p>	<p>The Negeri Sembilan State Forestry Department (NNSFD) had maintain records of all the relevant national and local laws, regulations and policies related to forest management. Copies of all these relevant laws, policies and regulations stipulated in the MC&I (Natural Forest) fundamental for the FMU management was made available at the Head office of the State Forestry Department at Seremban and were accessible to all staff.</p> <p>A total of one (1) Major Non-Conformities Reports (NCR) (upgraded of previous Minor NCR) and six (6) Minor NCRs against requirements of MC&I (Natural Forest) were raised. Negeri Sembilan FMU showed their commitment to address the non-conformities by establishing action plans.</p> <p>The previous year of two (2) major and four (4) minor non-conformities were satisfactorily closed following verification of the implemented corrective actions, except one (1) NCR's was upgraded to a Major Non-Conformity</p> <p>All applicable and legally prescribed fees, royalties, taxes, and other charges are sighted during the audit. The royalty rate for different log species from 1st July 1997 was also made available. There were no changes during this audit.</p> <p>Forest officers (District Forest Officers and Assistants Director) are aware and understand the relevant national and local laws and regulatory framework.</p> <p>The forest managers were found to be aware of all the binding international agreements.</p> <p>The initiatives implemented by NNSFD towards control of encroachment, illegal harvesting, hunting, and settlement and other unauthorised activities in the FMU are surveying, maintenance and monitoring of the PRF boundaries.</p> <p>There were no conflicts documented between these Principles and Criteria and laws and regulations. The Head Quarters of Forestry Department Peninsular Malaysia, Kuala Lumpur (FDPM) had met on the areas of possible conflicts.</p>	<p>NSSFD is still implementing the Forest Monitoring Remote Sensing and also a new system to E-Geospatial (EGP) to monitor illegal encroachment and unauthorized activities. Inspection of the system indicated there were inadequacies. A check of forestry operations in active logging site in Compartment 62B HS Serting showed that the system was slow and did not use not up-to-date satellite data. The satellite imagery indicated that there were no logging operations in Compartment 62B which was inspected during this audit. A Minor NCR SAM 01/2019 for Indicator 1.5.2 was raised.</p>

Principle	Strengths	Weaknesses
<p>Principle 2 Tenure and Use Rights and Responsibilities</p>	<p>Documents on legal status, and established forest use rights of the land or forest resources within the relevant federal, state and local laws were made available to the auditors during the audit. Documents related to forest reserve gazettement and de-gazettement provisioned under the National Forestry Act 1984 had been compiled and kept in the NSSFD office.</p> <p>The NSSFD was found to have consulted the local communities prior to the logging activities. Village representatives were briefed and consulted by the NSSFD officers together with the logging contractors on coming operations. The potential impact and villagers concerns usually will be discussed during the meetings. Burial site, water catchment areas, water supply sites and rivers used by local communities as well as non-forest products such as fruit trees and honey were protected as provisioned in harvesting regulations.</p> <p>The NSSFD also provide platform for public to comments or complaint through their webpage [http://forestry.ns.gov.my/index.php/my/hubungi-kami/maklumbalas-aduan] or done manually using <i>Borang Makluman Aduan Pelanggan</i> (Customers' Complaint Form). The complaint then will be handled as stated in the <i>Carta Aliran Proses Pengendalian Aduan Pelanggan</i> (Flow Chart for Handling Customers' Complaint) showing the process for handling the complaints.</p>	<p>There were no negative findings</p>
<p>Principle 3 Indigenous People's Rights</p>	<p>The customary use rights of the Orang Asli within the PRF were respected in forest management planning and implementation in accordance to the Aboriginal Peoples Act 1954.</p> <p>Documents seen from the NSSFD during the audit shown that from a total of 13 Orang Asli settlements located within the PRF that were proposed to be degazetted, seven of the villages (Kg. Ulu Kemin, Kg. Ulu Lakai, Kg. Air Pulasan, Kg. Bari, Kg. Charik, Kg. Sg. Sot and Kg Air Lerek) were already been degazetted for agriculture and settlement areas. The gazettment process for Orang Asli settlement within the PRF was administered through '<i>Mesyuarat Penyelarasan Bagi Pewartaan Tanah (13 Perkampungan) Orang Asli Yang Berada Di Dalam Hutan Simpan</i>' (which refers to the meeting to resolve gazettement of Orang Asli land located within the PRF) by the state government</p>	<p>There were no negative findings.</p>

Principle	Strengths	Weaknesses
	<p>No evidence was found that the Orang Asli communities in Negeri Sembilan FMU practices their traditional forest-related knowledge and were utilized by the NSSFD in its operations or management systems. Most of the Orang Asli community in Negeri Sembilan had embraced modernization and conveniently adapted similar lifestyles with the other Malaysian community to become modern agriculture community. They also did depend on non-forest products for source of medicine.</p>	
<p>Principle 4 Community Relations and Workers' Rights</p>	<p>Training programme for NSSFD's staff was found available and well organised. The FMU management has a comprehensive training plan for their staff throughout the year as outlined in their program book entitled '<i>Buku Program Latihan dalam Perkhidmatan 2018</i>'.</p> <p>The NSSFD had formed a Health and Safety Committee and minutes of the meetings were kept in the Head office. Instructions to all districts to maintain safety record by the Director was issued since May 2009. Records of safety committee meeting for year 2019 titled '<i>Minit Mesyuarat Jawatankuasa Keselamatan dan Kesihatan Pekerjaan - Jabatan Perhutanan Negeri Sembilan</i>' were verified. The NSSFD has sent annual accident report – JKPP8 form to DOSH through MyKKP online system. There was no fatal accident occurred for the whole year 2019 until September 2019.</p> <p>A management policy on safety and health of workers had been established on 15 August 2008 by the State Forestry Department as in the '<i>Dasar Keselamatan dan Kesihatan Pekerjaan Jabatan Perhutanan Negeri Sembilan</i>'.</p> <p>There is no record of complaint from local communities towards the NSSFD or logging contractor related to damages or losses to legal or customary rights, property, resources, or livelihoods resulting from forestry activities found during the audit</p>	<p>There were no negative findings</p>
<p>Principle 5 Benefits from the Forest</p>	<p>The Negeri Sembilan FMU complied with the set AAC (Annual Allowable Cut) of 2,397 ha as stated in the FMP (2016 - 2025), in line with the decision of the MPN (the national forestry council) for RMK11 (2016-2020). The maximum removal of 61 m³/ha from regulated second-entry forests were being followed, as consistent with the stand harvested in Compt. 67</p>	<p>During the inspection of skid trails in Compartment 62B Serting FR and Compartment 90A HS Kenaboi it was found that the skid trails alignments and construction did not adhere to the harvesting plan and there were no approval obtained for the changes. Thus, a</p>

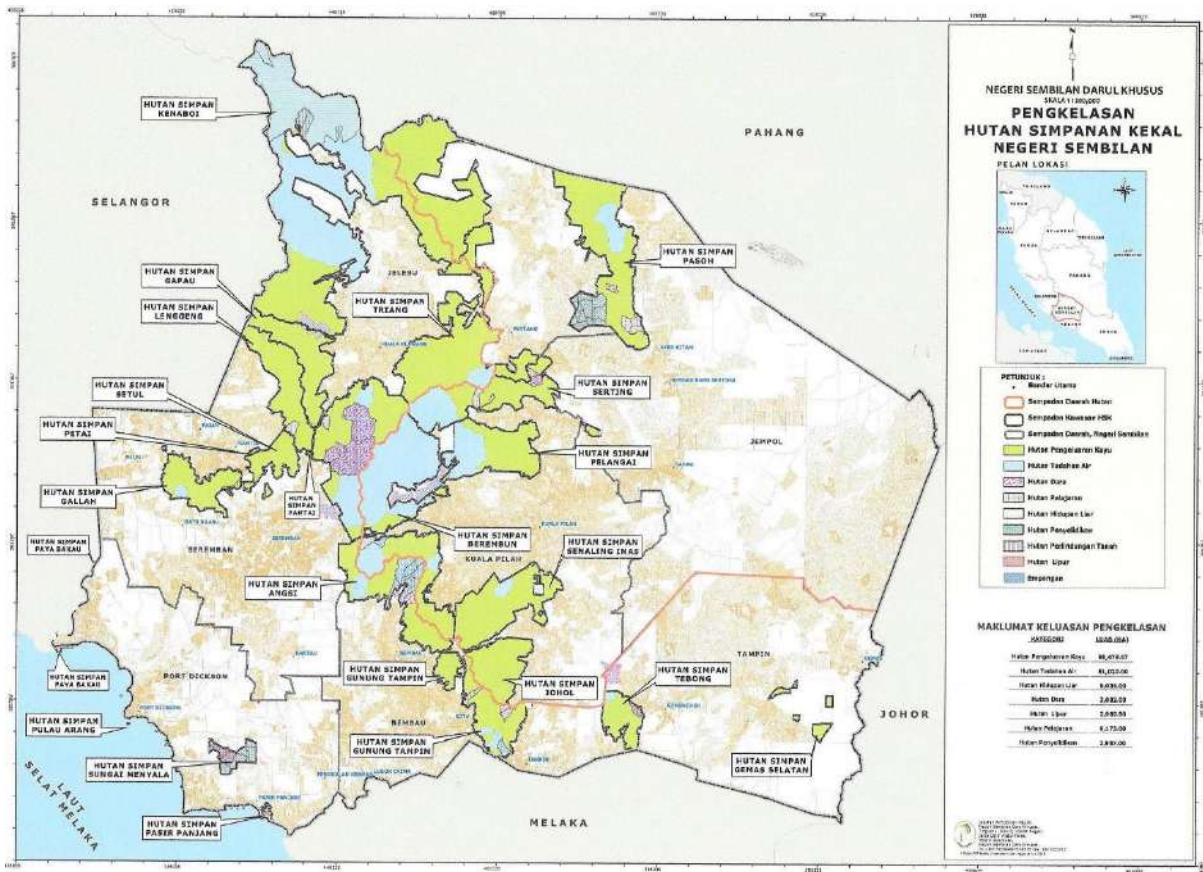
Principle	Strengths	Weaknesses
	<p>Triang PRF, Compt. 90A Kenaboi PRF, and Compt. 62 Serting PRF.</p> <p>The management of forest within the FMU is guided by the Forest Management Plan (FMP) for 2016-2025. The annual coupe for the FMU for 2016-2020 had been approved based on the recommendation of the National Land Council amounting to 2,397 ha a year or 11,985 for 5 years.</p> <p>Timber was the main product being extracted from the forest in the FMU. All harvesting had been conducted through the application of Guidelines for Reduced Impact Logging in Peninsular Malaysia and followed by post harvesting. The total area opened for logging in 2017 amounted to 360.86 ha, and the total area opened for 2018 (up to Sept 2018) is only 471.85 ha.</p> <p>The 5-Year Development Plan Budget from year 2015 to 2019 was made available during the audit. The total budget allocated for 2019 was RM 18.7 million consisting of a development budget of RM1.32 million, a management budget of RM12.29 million and cess of RM 1.21 million. The total income collected by the NSSFD in 2019 (until 30 Sept) amounted to RM 3.30 million from royalties, fines and premiums while silvicultural Cess collections amounted to RM 1.21 million only.</p>	<p>Minor NCR MRS 01/2019 for Indicator 5.3.1 was raised.</p> <p>A Minor NCR SAM 02/2019 for Indicator 5.5.1 was raised due to non-compliance as below:</p> <ol style="list-style-type: none"> 1. During the inspection of riparian buffers in Compartment 62B, Serting FR, it was found that the marking of riparian buffer was not carried out correctly. The buffer zone was demarcated more than 20 meter from the river bank, thus including some tagged trees within the wrongly marked buffer zone. 2. The buffer zone was marked by the logging contractors which did not have a good understanding of the relevant guidelines. <p>All areas above 1000 meters or with slopes exceeding 40 degrees are protected to reduce environmental impacts and conserve forests.</p>
<p>Principle 6 Environmental Impact</p>	<p>The Macro Environmental Impact Assessment (MEIA) of the FMU had been completed in 2007 and was available during the audit. The FMP (2016 - 2025), had identified sites of high biodiversity values in the Setul and Sungai Menyala PRFs.</p> <p>A listing of endemic and rare flora species especially those listed in IUCN list had been included in the FMP (2016-2025). Additional list of endangered, rare, and threatened (ERT) species had been provided by research institutions and universities. The NSSFD had taken initiative to protect one of the endangered species identified in the list namely <i>Vatica yeechiongii</i> by designating the site as a HCVF area in the Setul PRF.</p> <p>Co-operation with Department of Wildlife & National Park (PERHILITAN) is existed and in continuation</p>	<p>During the inspection of skid trail completed logging site in Compartment 62A in HS Serting, it was found that the planting of seedlings on skid trails were only partially completed due to the lack of adequate seedling supply. Thus, an OFI for Indicator 6.3.1 was raised during this Surveillance 1 Audit.</p> <p>During the inspection of active logging sites in this audit in Compt. 67 Triang PRF and Compt. 90A Kenaboi PRF, it was found that retaining walls were built accordingly along bridges and river crossings. However, During the inspection of Compartment 62B Serting FR, it was found that the</p>

Principle	Strengths	Weaknesses
	<p>based on interview conducted with the Director, Mr. Wan Mat bin Wan Harun on 1st October 2018 in PERHILITAN's Seremban office. Activities include joint-operation on wildlife enforcement and monitoring.</p> <p>Post-felling inventories to assess regeneration of residual trees of 2 to 5 years of age after completion of harvesting had been carried out in accordance to the "Panduan Kerja Luar Inventori Hutan Selepas Tebangan" (Field Manual on Post-felling Forest Inventory) and "Manual Kerja Luar Sistem Pengurusan Memilih Bab 10-Kaedah Penilaian/Pemeriksaan Ke Atas Aktiviti-aktiviti Pemulihan Hutan Selepas Tebangan (Field Manual of Selective Management System (SMS), Chapter 10-Assessment Procedure for Post-felling Rehabilitation Activities).</p> <p>Harvesting operations in the FMU are conducted along the requirements of the Guidelines for Reduced Impact Logging in Peninsular Malaysia 2003 and the Forest Road Guidelines 2010 (Amended 2013) to reduce soil compaction due to use of heavy machinery and therefore to protect soil through minimizing erosion. The logging is also guided by the approved harvesting plan.</p> <p>Standard operating procedure on managing waste disposal has been established by management. During the inspection of active logging sites, it was found the understanding of interviewed site worker on the management of contaminated soil/sand with spill of lubricant oil were acceptable. Based on interview with workers, some of used engine oil has been sold to car workshop and small quantity of it was kept at the store for the usage of chainsaw.</p> <p>Exotic species had not been introduced in any silvicultural treatments. The guidelines for enrichment planting do not encourage the planting of exotic species.</p>	<p>bridges crossing waterways along main access road (Jalan Tuju 1) between matau 1 and matau 3 were not constructed according to specifications. The culverts using hollow logs were not appropriate and was fully clogged. Retaining walls to prevent soil getting into waterways were not constructed. This was also evident in the plantation site in Compartment 94/96 Triang FR. Thus, a Minor NCR SAM 03/2019 for Indicator 6.5.2 was raised.</p> <p>Auditor has found that spraying workers at rubber plantation – Bukit Hijau Plantation wearing <i>Dusk Proof Mask 201 -Jepun</i> for spraying work which do not sufficient to control the workers from exposure to chemicals. Due to recurrence of the same issue as raised during previous audit, the Minor NCR MRS 03/2018 was upgraded to Major NCR AA 01/2019 for Indicator 6.6.2.</p> <p>In the inspection of active logging sites in Compt. 67 Triang PRF, Compt. 90A Kenaboi PRF, and Compt. 62 Serting PRF, it was found that lubricants and engine oil at the logging camps were properly stored in stores. No sign of oil spills was evident. A sign had been attached on its wall. Diesel fuel was also stored in drums next to the store.</p> <p>However, auditor has found oil spill and empty fuel containers outside of the genset house in <i>Ladang TLC Yayasan Negeri Sembilan (Bukit Hijau Plantation)</i>. Thus, a Minor AA 02/2019 for Indicator 6.7.1 was raised.</p>
Principle 7 Management Plan	The Forest Management Plan (FMP) 2016-2025 is available and completed. The information and documents that required by this indicator (a) to (i) were made available in the FMP 2016-2025.	There were no negative findings.

Principle	Strengths	Weaknesses
	<p>To support the management plan, harvesting plans have been developed to ensure that the logging operations are undertaken in a manner that will minimize negative impacts to the residual stand and allow recovery of the residual stand within the cutting cycle.</p> <p>The managers in NSSFD had generally been aware of new scientific and technical information. They were able to participate in scientific conferences and meetings to update their knowledge.</p> <p>Forest workers has been trained as per their respective roles in the implementation of the forest management plan.</p> <p>A summary of the primary elements of the forest management plan 2016-2025 was made publicly available at: http://forestry.ns.gov.my/index.php/my/sumber/rin_gkasan-eksekutif.</p>	
<p>Principle 8 Monitoring and Assessment</p>	<p>The social impact assessment form entitled “Maklumat Kajian Impak Sosial Dalam Sektor Pembalakan” was applied before, during and after forest harvesting. During this audit, the procedure entitled “<i>Prosedur Pemantauan Kesan Pembalakkan Terhadap Masyarakat Setempat Yang Berdekatan Kawasan Usahasil Dalam Hutan Simpanan Kekal di Negeri Sembilan</i>” (Monitoring Procedures on Logging Effect against Local Communities in Permanent Forest Reserve in Negeri Sembilan) was being followed.</p> <p>The FMU has monitored area of harvested trees for all licensed area per year from 2013 to 2017 (Jan - Oct) but does not more than annual allowable cut (AAC) which is 2,397 ha/year.</p> <p>All logs transported out of the forest in the FMU will be issued with a delivery order prepared by the logging contractor where the tree number, species, log production number, log length, diameter, and net volume are documented.</p> <p>The NSSFD has incorporated the results from monitoring activities on HCVFs and scientific research into the new forest management plan (2016-2025).</p>	<p>The social impact assessment form entitled “Maklumat Kajian Impak Sosial Dalam Sektor Pembalakan” was applied before, during and after forest harvesting. During this audit, the procedure entitled “<i>Prosedur Pemantauan Kesan Pembalakkan Terhadap Masyarakat Setempat Yang Berdekatan Kawasan Usahasil Dalam Hutan Simpanan Kekal di Negeri Sembilan</i>” (Monitoring Procedures on Logging Effect against Local Communities in Permanent Forest Reserve in Negeri Sembilan) was being followed.</p> <p>A Minor LYD-01/2019 for Indicator 8.1.2 was raised:</p> <ol style="list-style-type: none"> Monitoring of social, ecological, environmental and economic impacts were not sufficient for the following: <ul style="list-style-type: none"> • <i>Ladang Hutan</i> Compartment 92, 94& 96 HSK Triang • <i>Ladang Hutan</i> Compartment 101, 102, 103, 104, 105, 106 HSK Pasoh

Principle	Strengths	Weaknesses
<p>Principle 9 Maintenance of High Conservation Values</p>	<p>HCVF attributes that was adopted by the NSSFD was clearly explained in the FMP (2016-2025) in 6.4.2 [pg. 175 – 178]. A total of two HCVF areas has been gazetted in Negeri Sembilan FMU namely,</p> <ol style="list-style-type: none"> 1. the whole area of Sungai Menyala PRF (1,280.27 ha) because of unique forest type attributes, a coastal Lowland Dipterocarp Forest 2. 4ha area in Compt. 4 Setul PRF that has endemic species of Resak (<i>Vatica yeechongii</i>) <p>Inspection of HCVF site hyper endemic species Resak (<i>Vatica yeechongii</i>) indicated that the site is still intact and is being protected. Clear signboards have been erected and the area is demarcated on the ground with fencing to ensure that the area is protected. The protected resak trees are available and have been tagged and are being monitored. The site is also being monitored by the Forest Research Institute Malaysia in collaboration with the NSSFD. Consultation with staff and district Forest Office indicated that they were competent and are well aware of the management prescriptions to protect and enhance the value of the site.</p> <p>There is clear statement in the FMP (2016-2025), measure to demarcate, maintain and/or enhance the HCVF areas in 6.4.2.7 <i>Aktiviti Pengurusan yang Dirancang</i> [pg 179] and in 6.4.2.8. <i>Tatacara Kawalan Dan Pemantauan Kawasan</i>. Demarcation of the HCVFs also made in the maps of the FMP.</p> <p>All the said measure was summarized and made available by NSSFD in their web page, http://forestry.ns.gov.my/index.php/my/sumber/ringkasan-eksekutif and information on the HCVF can be seen in their website, http://forestry.ns.gov.my/index.php/my/sumber/mc-i/hcvf.</p>	<p>There were no negative findings.</p>

Map of Negeri Sembilan FMU



Details of the auditors and their qualification

Assessment Team	Role/Area of MC&I Requirement	Qualification and Experience
Mohd Razman Salim	Auditor / Forester	<p>Academic Qualification: B. Sc of Forestry (Forest Production), University Putra Malaysia.</p> <p>Work Experience: Five years experienced as Research Officer at the Forest Research Institute Malaysia (FRIM) since 2007 in a various area such as ecological research for lowland and hill dipterocarp forest, Geographic Information Systems, forest inventories, forest harvesting and forest management system (SMS). Participate in organizing committee member, division level activities and projects. Coordinate and collaborate a long term ecological plot and inventory data about 25 years at the Pasoh, Negeri Sembilan with Negeri Sembilan Forestry Department, universities (local & international) and NGOs. Published and presented research findings at the seminars and conferences. Currently as Auditor at the Food, Agriculture and Forestry Section (FAF), SIRIM QAS International Sdn Bhd, since 2013. Involved in conducting assessments on forest management certification [MC&I (Natural Forest)] & [MC&I (Plantations)], MYNI of RSPO P&C and other management systems on ISO 9001, 14001 and OHSAS 18001</p> <p>Training / Research Areas: Was attending and pass in the following training programmes: Auditor Training Course on Malaysian Criteria and Indicators for Forest Management Certification [MC&I (Natural Forest)] & [MC&I (Plantations)] organized by MTCC, 1-4 December 2013.</p> <ul style="list-style-type: none"> • EMS 14001: 2004 Lead Auditor Course organized by SIRIM Training Services Sdn Bhd, 18-22 March 2013. • OHSAS 18001: 2007 Lead Auditor Course organized by SIRIM Training Services Sdn Bhd, 11-15 March 2013. • QMS 9001: 2008 Lead Auditor Course organized by SIRIM Training Services Sdn Bhd, 4-8 March 2013.
Dr. Samsudin Musa	Auditor	<p>Dr. Samsudin bin Musa is a Senior Research Officer at the Forest Research Institute of Malaysia (FRIM) since 1997. He graduated in 1984 with a B Sc. Forestry from the University Putra Malaysia and has completed his PhD studies in Universiti Kebangsaan Malaysia (UKM) in 2011. From 1993 to 1997 he was the Forest Inventory Officer at the Forestry Department Headquarters, Peninsular Malaysia. Prior to that, he was the Head of Inventory Unit of the ASEAN Institute of Forest Management in Kuala Lumpur from 1987 to 1993. His area of expertise include silviculture, climate change and forest certification.</p> <p>He was involved in the following forest management/chain-of-custody certification training programmes:</p> <p>Workshop on Forest Management Certification, Institut Penyelidikan Perhutanan Malaysia, Kepong. (12-13 December 1996). – Resource person XXI IUFRO Pre-Congress Workshop on Sustainable forest management and Criteria & Indicators, FRIM, Kepong, Malaysia (1-4 August, 2000) – Resource person Workshop on Methodologies for Assessing Forest Biodiversity and Estimating its Recovery. Kuala Lumpur, Malaysia (30-31 October, 2001). – Resource person Training in Forest Management Certification by Scientific Certification System, SIRIM, February 2000, Shah Alam, Selangor Quality Assurance Auditor/Lead Auditor Training Course and Examination, 25-29 March 2003, Moody International Certification., FRIM, Kepong, Selangor</p>

		<p>Forest Management Certification Procedures, SIRIM QAS, 19 February 2009, Shah Alam, Selangor ISO 14001:2004 EMS Lead Auditor Training Course under SIRIM Training Services Sdn Bhd, 2-6 March 2009 Auditor Training Course on MC&I 2002, 30 March – 2 April 2002 by MTCC, Kuala Lipis, Pahang</p> <p>His auditing experiences include the following:</p> <p>Conducted by SIRIM QAS International against the MC&I (2002), 9-13 April 2007 Lead Auditor in Field Tests of MC&I (2002) in Sarawak FMU for the Malaysian Timber Certification Council.</p>
Puteri Abdul	Arlydia	<p>Assessment Team Member / Forester</p> <p>Academic Qualification: B.Sc of Forestry (Forest Production), University Putra Malaysia.</p> <p>Work Experience: 1 year with Forestry Department Peninsular Malaysia (JPSM) 2007-2008, 3 years with Forest Plantation Development Sdn Bhd (Wholly owned by MTIB) 2008 – 2011, 1 year with Transparency International Malaysia 2011-2012, 3 years with Intertek Certification International Sdn Bhd 2012-2015 and with Sirim QAS International from 2015 onwards. Her working experience cover forest elements among others, Geographic Information System, Remote Sensing, Forest Governance Integrity and Local Communities programs and auditing in ISO 9001 (Quality), ISO 14001 (Environment), PEFC Chain of Custody and PEFC MC&I (both Natural and Plantation Forest).</p> <p>Training / Research Areas: Was attending and pass in the following training programmes:</p> <ol style="list-style-type: none"> 1. ISO 9001: 2008 Lead Auditor Course dated 19-23/03/2012 2. MC&I (Natural and Plantation) Lead Auditor Course 9-10/07/2015 3. Training on ISO 9001:2015 (final version) dated 21/09/2015 4. ISO 14001: 2004 Lead Auditor Course dated 18-22/05/2015 5. Aspect and Impact Mitigation and Environmental Laws dated 27/05/2016 6. Schedule Waste Handling dated 1/06/2016 7. ISO 14001:2015 dated 18/09/2017 8. PEFC CoC by MTCC dated 6 & 14/12/2017

Comments Received from Stakeholders and Responses by Audit Team Leader

No.	Comments/Issues Raised	Response by Audit Team
1	<p>1. Terdapat banyak laporan di media berkaitan pemcerobohan hutan. Sekiranya ada isu pencerobohan di Negeri Sembilan, maka adalah wajar langkah-langkah pencegahan diambil untuk menangani isu ini khasnya jika pencerobohan berlaku di dalam hutan simpan. Jabatan hutan perlu ada system pemantauan yang terkini yang boleh mengesan sebarang pencerobohan ke dalam hutan simpan dan seterusnya SOP untuk menangkap penceroboh. Rondaan tidak mencukupi. Perlu ada system di peringkat FMU. Apakah FMRS yang ada mampu dari segi kepakaran untuk mengendalikan system, dari segi imageri yang terkini, resolusi yang sesuai dan SOP sokongan. Adakah terdapat sebarang bukti bahawa system ini berkesan? Adakah laporan pencerobohan yang dibuat (sekiranya ada) berdasarkan system tersebut dan apakah langkah pencegahan yang diambil.</p> <p>2. Terdapat keluhan orang kampung bahawa terdapat kawasan hutan yang dibuka untuk penanaman durian musang king. Perlu dibuat semakan adakah perkara ini benar atau sebaliknya, dan sekiranya benar adakah ianya melibatkan kawasan hutan simpan. Apakah pendirian jabatan hutan Negeri Sembilan sekiranya perkara ini benar berlaku.</p> <p>3. Banyak kajian daripada pihak FRIM dan pihak-pihak lain menunjukkan banyak kerosakan yang berlaku kepada dirian tinggal dan persekitaran akibat pembalakan di dalam hutan produktif. Kerosakan ini akan memberi kesan negative kepada dirian tinggal yang akan menjadi pokok tebang pada pusingan hadapan. Kerosakan juga akan memberi kesan secara langsung kepada pencapaian piawaian asas yang telah ditetapkan dalam SMS seperti kecukupan pokok tinggal, kadar kematian pada tahap 0.9%, terdapat peraturan kaum dipterokarpa yang sama sebelum dan selepas tebang dan sebagainya. Ketidak capaian piawaian asas ini akan merencatkan kemampunan hutan yang diuruskan dan boleh mengakibatkan hutan negara semakin turun daripada segi kuantiti dan kualitinya. Kesemua perkara ini perlu dibuktikan di lapangan dan dengan data inventori yang boleh dipercayai. Apakah langkah/ usaha yang telah/ akan diambil oleh pihak jabatan hutan negeri terutamanya dalam memastikan perkara ini dapat diatasi atau dikurangkan? Pengamalan RIL secara menyeluruh di lapangan perlu disemak dan dikawal selia oleh pihak jabatan hutan agar ianya dapat membuktikan bahawa amalan RIL ini benar-benar berkesan dan dapat menyokong kepada pencapaian piawaian asas SMS yang telah ditetapkan.</p> <p>4. Penukaran system/ kaedah pembalakan (re-tooling) daripada penggunaan bulldozer kepada system/ kaedah yang lebih lestari seperti logfisher perlu diberi perhatian yang serius oleh pihak jabatan hutan.</p>	<p>1. The enforcement unit of the FMU had a schedule for monitoring activities on all the licenced areas by the monthly basis. Monthly inspection has been conducted by “Unit Operasi dan Penguatkuasaan”. List of encroachment for all forest reserves were available from 1990-2019. NSSFD is still implementing the Forest Monitoring Remote Sensing and also a new system to E-Geospatial (EGP) to monitor illegal encroachment and unauthorized activities. Inspection of the system indicated there were inadequacies. A check of forestry operations in active logging showed that the system was slow and did not use not up-to-date satellite data. A Minor NCR SAM 01/2019 for Indicator 1.5.2 was raised.</p> <p>2. There was no conversion of natural forest area to durian musang king plantation within certified area. The only species planted in the conversion area was timber latex clone as explained in the Indicator 6.10.1 and 6.10.2.</p> <p>1. Analysis of change of forest stand/species composition in relation to the pre-felling inventories were inspected for Compt. 67 Triang PRF, Compt. 90A Kenaboi PRF, and Compt. 62 Serting PRF. The analysis indicated that there was a reduction in the number of trees in the stand after logging. However, post-F inventory indicate that the forest is still sufficiently stocked and will be able to recover. The total area opened for logging annually for 2017 and 2018 was 630.86 ha and 874.51 ha respectively. The total</p>

	<p>5. Rawatan hutan atau rawatan silvikultur adalah perlu bagi kawasan-kawasan yang telah dikenalpasti. Pihak jabatan hutan perlu menjalankan rawatan yang sewajarnya serta sesuai bagi kawasan berkenaan. Perlu ada bukti bahawa rawatan yang ada sekarang adalah berkesan dan mampu memulihkannya. Sekiranya tidak, maka pihak jabatan hutan perlu mengaplikasi kaedah lain yang lebih berkesan.</p> <p>6. Pemahaman terhadap SMS perlu ada bagi setiap pegawai kakitangan jabatan hutan. Latihan yang mencukupi serta berkualiti perlulah diberikan kepada pegawai dan kakitangan dalam menguruskan kawasan hutan. Jabatan hutan perlu membuktikan bahawa pemahaman serta kualiti latihan adalah pada tahap yang berkesan.</p>	<p>area opened for 2019 (until Sept) was only 832.27 ha. The areas opened for logging were significantly lower than the AAC. At the same time, the AAC requested since 2016 to 2020 amounting 2,397 ha/year was even higher.</p> <p>4. Generally, the current approved licence area was less than 150 ha. Drastically changes from bulldozer to logfisher need to be considered also the cost and profit to contractors. However, the NSSFD has promoted on the usage of logfisher to contractors to reduce impact to the licenced area.</p> <p>5. Analysis of change of forest stand/species composition in relation to the pre-felling inventories was inspected. The analysis for Compt. 67 Triang PRF, Compt. 90A Kenaboi PRF, and Compt. 62 Serting PRF were inspected. The analysis indicated that there was a reduction in the number of trees in the stand after logging. However, post-F inventory indicate that the forest is still sufficiently stocked and will be able to recover.</p> <p>6. The NSSFD has prepared an annual training program to assign their respective staff for refresher training. A total of 18 courses were conducted by departmental staff for year 2019 such as Dendrology Course, MC&I and Forest Road Guidelines, Forest Checking Station Course, forest management, RIL technique, awareness on MC&I, etc. Interview with the representative of the Chairman 'Kesatuan Pegawai Hutan Melayu Semenanjung Malaysia Cawangan Negeri Sembilan' (KPPHM), in the NSSFD Seremban Office, indicated that the NSSFD has provided ample and quality training programs for the support staff.</p>
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2.	<p>MPKK Kampung Sungai Raya: Buat masa ini tiada permasalahan pengurusan hutan di Kampung Sungai Raya.</p>	Noted.
3.	<p>MPKK Kg. Belikat: Sehingga kini kampung saya tiada gangguan dan aktiviti pembalakan serta masih lagi penduduk kampung mencari hasil hutan untuk keperluan harian.</p>	Noted.
4.	<p>Jabatan Keselamatan dan Kesihatan Pekerjaan, Negeri Sembilan:</p> <p>Amalan baik sedia ada: Telah memasukkan satu slot untuk JKKP berkongsi isu KKP pembalakan semasa sesi penyerahan lesen kepada pembalak</p> <p>Peluang penambahbaikan: Perlu dimasukkan di dalam SOP daerah hutan untuk memaklumkan JKKP Negeri Sembilan tarikh sebenar operasi pengusahasilan dan jangkaan tamat operasi untuk pihak JKKP merancang audit KKP di tempat pembalakan.</p>	Noted.

Recertification Audit Plan

DAY	TIME	PROGRAM		
		AUDITOR 1 (Razman, Aida & Najwan)	AUDITOR 2 (Dr Samsudin)	AUDITOR 3 (Puteri Arlydia)
Sunday (6/10/2019)	5.00 pm	<ul style="list-style-type: none"> Travel from Kuala Lumpur to Seremban Audit team stay at Royale Chulan Hotel Briefing by Audit Team Leader on the audit plan 		
Day 1 Monday (7/10/2019)	8.30 am – 12.30 pm	<ul style="list-style-type: none"> Opening Meeting with representatives of FMU Briefing session by Forest Manager on progress of forest activities Evaluation of changes to the management of the FMU Check on progress of planned activities aimed at enhancing the operation system Check on complaints, stakeholder comments and follow-up actions with Government agencies and NGOs Check on verification for closing NCRs raised during the previous audit Evaluate on internal audit and management review Q&A Session 		
	2.00 – 5.30 pm	AUDITOR 1 (Razman, Aida & Najwan)	AUDITOR 2 (Dr Samsudin)	AUDITOR 3 (Puteri Arlydia)
		Documentation and records review <ul style="list-style-type: none"> Principle 5 – Benefits from the forest Principle 6 – Environmental Impact Principle 7 – Management Plan 	Documentation and records review <ul style="list-style-type: none"> Principle 1 – Compliance with Laws and Principles Principle 8 – Monitoring and Assessment Principle 9 – Maintenance of High Conservation Value Forests 	Documentation and records review <ul style="list-style-type: none"> Principle 2 – Tenure and Use Rights and Responsibilities Principle 3 – Indigenous Peoples’ Right Principle 4 - Community Relations and Worker’s Right
	<ul style="list-style-type: none"> Review of Day 1 Findings by Audit Team Leader All auditors overnight in Seremban 			
Day 2 Tuesday (8/10/2019)	7.30 am – 8.00 pm	AUDITOR 1 (Razman, Aida & Najwan)	AUDITOR 2 (Dr Samsudin)	AUDITOR 3 (Puteri Arlydia)
		<ul style="list-style-type: none"> Documentation review at District Forest Office Inspection of active harvesting area – <ol style="list-style-type: none"> Compt. 67, Triang PRF Compt. 90A, Kenaboi PRF 	<ul style="list-style-type: none"> Documentation review at District Forest Office Inspection of active harvesting area – Compt. 62, Serting PRF Forest Checking Station – Balai Serting 	<ul style="list-style-type: none"> Site visit & consultations with MPKK Jelebu: <ol style="list-style-type: none"> Kg. Sg. Rotan Kg. Poum Kg. Ulu Jelebu Nursery – Tapak Semaian Mantin

		<ul style="list-style-type: none"> Timber Latex Clone area – Bukit Hijau Plantation 	<ul style="list-style-type: none"> Timber Latex Clone area – Ladang Hutan Yayasan Compt. 101-106 Pasoh PRF 	<ul style="list-style-type: none"> HCVF – Resak (<i>Vatica veechongii</i>) External boundary inspection – Compt. 94 & 96 Triang PRF
		<ul style="list-style-type: none"> Review of Day 2 Findings by Audit Team Leader All auditors overnight in Seremban 		
Day 3 Wednesday (9/10/2019)	8.30 am – 12.30 pm	AUDITOR 1 (Razman, Aida & Najwan) <ul style="list-style-type: none"> Continue documentation and records review. 	AUDITOR 2 (Dr Samsudin) <ul style="list-style-type: none"> Continue documentation and records review. 	AUDITOR 3 (Puteri Arlydia) <ul style="list-style-type: none"> Continue documentation and records review
	3.00 – 5.00 pm	<ul style="list-style-type: none"> Consultation with Department of Environment (DOE) 		<ul style="list-style-type: none"> Consultation with Department of Environment (DOE)
		<ul style="list-style-type: none"> Closing meeting 		

Surveillance 1 Audit Findings (2019) and Corrective Action Taken

Specification Major/ Minor/ OFI	Detail Non-conformances	Corrective Action Taken	Verification by Assessor
Minor SAM 01/2019	<p>Requirement: Indicator 1.5.2 - Control of encroachment, illegal harvesting, hunting, and settlement, and other unauthorised activities in the FMU</p> <p>Finding: The monitoring of forest operations to detect unauthorised activities were found to be inadequate</p> <p>Objective evidence: The use of Forest Monitoring using remote sensing to monitor the forestry operations for the FMU was not adequate. A check of forestry operations in active logging site in Compartment 62B HS Serting showed that the system was slow and did not use not up to date satellite data. The satellite imagery indicated that there were no logging operation in Compartment 62B.</p>	<p>Root cause Sistem Internet dalam proses pengemaskinian dan naik taraf dan Semakan base map untuk system FMR yang digunakan adalah sehingga December 2018.</p> <p>Penggunaan system Forest Monitoring using Remote Sensing (FMRS) dan e- Geospatial Perhutanan (e-GP) masih kurang meluas di kalangan kakitangan lapangan.</p> <p>Corrective action plan</p> <p>Tindakan Jangka Masa Pendek Surat pemakluman kepada Bahagian Penguatkuasaan Hutan, Ibu Pejabat Perhutanan berkenaan satelit imej yang terbaru.</p> <p>Tindakan Jangka Masa Panjang Meningkatkan kapasiti pemahaman dan kemahiran kakitangan negeri dan daerah bagi pemantauan melalui imej satelit dan penggunaan system FMRS dan e-GP.</p> <p>Mencadangkan Unit GIS dalam Jabatan sebagai satu keperluan bagi memastikan data GIS sentiasa dikemaskini dan diselenggara</p>	<p>Result of investigation, correction and corrective action was accepted</p> <p>Status: The effectiveness of the action taken to be verified during the next audit</p>
Minor MRS 01/2019	<p>Requirement: Indicator 5.3.1 - Implementation of guidelines for reduced/low impact logging to minimise damage to residual stand</p> <p>Finding: The construction of skid trails did not adhere to the procedures in the forest harvesting plan.</p> <p>Objective evidence:</p>	<p>Root cause Permohonan untuk perubahan Lorong Penarik tidak diambil tindakan segera.</p> <p>Corrective action plan Arahan kepada kontraktor pembalok untuk melaksanakan perubahan Lorong penarik hanya boleh diteruskan setelah mendapat kelulusan.</p>	<p>Result of investigation, correction and corrective action was accepted</p> <p>Status: The effectiveness of the action taken to be verified during the next audit</p>

	<p>During the inspection of skid trails in Compartment 62B Seriting FR and Compartment 90A HS Kenaboi it was found that the skid trails alignments and construction did not adhere to the harvesting plan and there were no approval obtained for the changes.</p>	<p>Kursus Jalan Hutan adalah dilaksanakan secara berkala untuk kontraktor pembalok dan dimasukkan dalam calendar latihan dan kursus jabatan bagi tahun 2020.</p>	
<p>Minor SAM 02/2019</p>	<p>Requirement: Indicator 5.5.1 - Implementation of guidelines and/or procedures to identify and demarcate sensitive areas for the protection of soil and water, watercourses and wetlands</p> <p>Finding: Demarcation of riparian buffers did not adhere to the Guidelines for Reduced Impact Logging in Peninsular Malaysia 2003</p> <p>Objective evidence:</p> <p>3. During the inspection of riparian buffers in Compartment 62B, Seriting FR, it was found that the marking of riparian buffer was not carried out correctly. The buffer zone was demarcated more than 20 meter from the river bank, thus including some tagged trees within the wrongly marked buffer zone.</p> <p>4. The buffer zone was marked by the logging contractors which did not have a good understanding of the relevant guidelines.</p>	<p>Root cause Kurang pemahaman kontraktor pembalok terhadap zoning kawasan Penampian dan pemantauan lapangan tidak diambil tindakan segera.</p> <p>Corrective action plan Arahan kepada kontraktor pembalok untuk melaksanakan tindakan pembedahan dengan syarat kegiatan usahasil hanya boleh diteruskan setelah pembedahan dilaksanakan.</p> <p>Surat arahan oleh Pejabat Hutan Daerah (PHD) dan Laporan semakan PHD dated 1 November 2019 mengesahkan pembedahan telah dilaksanakan.</p> <p>Mengadakan sesi konsultasi bersama pelesen terhadap penambahbaikan kualiti kerja kawasan pengusahasilan. Memberi penekanan terhadap penetapan zon penampian dan kepentingan zon penampian sebagai syarat utama yang perlu dipatuhi dalam kawasan usahasil.</p>	<p>Result of investigation, correction and corrective action were accepted.</p> <p>Status: The effectiveness of the action taken to be verified during the next audit</p>
<p>Minor SAM 03/2019</p>	<p>Requirement: Indicator 6.5.2 - Implementation of reduced/low impact logging to minimise damage to the environment.</p> <p>Finding: The construction of bridges and culverts along streams and rivers were not adhered to the Guidelines for Reduced Impact Logging in Peninsular Malaysia 2003</p> <p>Objective evidence: During the inspection of Compartment 62B Seriting FR, it was found that the bridges crossing waterways along main access road (Jalan Tuju 1) between matau1 and matau 3 were not constructed according to</p>	<p>Root cause Kurang pemahaman kontraktor pembalok terhadap jambatan dan culvert serta pemantauan lapangan tidak diambil tindakan segera.</p> <p>Corrective action plan Arahan kepada kontraktor pembalok untuk melaksanakan tindakan pembedahan dengan syarat kegiatan usahasil hanya boleh diteruskan setelah pembedahan dilaksanakan.</p> <p>Surat arahan oleh Pejabat Hutan Daerah (PHD) dan Laporan</p>	<p>Result of investigation, correction and corrective action were accepted.</p> <p>Status: The effectiveness of the action taken to be verified during the next audit</p>

	<p>specifications. The culverts using hollow logs were not appropriate and was fully clogged. Retaining walls to prevent soil getting into waterways were not constructed. This was also evident in the plantation site in Compartment 94/96 Triang FR</p>	<p>semakan PHD mengesahkan pembedulan telah dilaksanakan.</p> <p>Kursus Jalan Hutan adalah dilaksanakan secara berkala untuk kontraktor pembalok dan dimasukkan dalam calendar latihan dan kursus jabatan bagi tahun 2020.</p>	
<p>Major AA 01/2019 (Upgraded previous Minor NCR)</p>	<p>Requirement: Indicator 6.6.2 - Availability and implementation of guidelines and/or procedures on the use of chemicals in the forest approved by relevant regulatory authorities.</p> <p>Finding:</p> <ol style="list-style-type: none"> 1. The sprayer worker at rubber plantation still using dust proof mask. 2. The proposed corrective action plan for previous Minor NCR MRS 03/2018 (Recertification Audit in 2018) was not effectively implemented. <p>Objective evidence: Auditor has found that spraying workers at rubber plantation – Bukit Hijau Plantation wearing <i>Dusk Proof Mask 201 -Jepun</i>) for spraying work which do not sufficient to control the workers from exposure to chemicals.</p>	<p>Root cause Kurang pengetahuan mengenai spesifikasi penggunaan alatan perlindungan diri (Personal Protection Equipment-PPE), seperti penapis mulut dan hidung untuk kerja-kerja yang melibatkan penggunaan bahan kimia.</p> <p>Corrective action plan</p> <ol style="list-style-type: none"> 1. Surat arahan daripada Pengarah Perhutanan Negeri kepada Pegawai Hutan Daerah bagi mengambil tindakan untuk pemakluman terhadap ketaakuran serta pemahaman kakitangan terhadap penggunaan PPE. 2. Pegawai Hutan Daerah memberi peringatan berhubung ketaakuran serta kepentingan penggunaan PPE dengan cara yang betul bagi mengelakkan kemalangan gerak kerja berlaku. 	<p>Verified letter from forest department to Yayasan Negeri Sembilan (Syarikat Bukit Hijau Plantation) dated 13 November 2019 (PHD.NSU.100-1/1/19) titled ‘Arahan untuk Melaksanakan Tindakan Pembedulan Berhubung Audit Pensijilan Pengurusan Hutan MC&I (Hutan Asli) di Kawasan Projek Pembangunan Ladang Hutan (TLC) Syarikat Bukit Hijau Plantation, Hutan Simpan Triang, Daerah Jelebu’ for replacing the dust proof mask to mask respirator.</p> <p>Evidence of usage mask respirator by sprayer workers was verified and accepted by audit team.</p> <p>Status: Closed.</p>
<p>Minor AA 02/2019</p>	<p>Requirement: Indicator 6.7.1 – Oil, fuel, tyres, containers, liquid and solid non-organic wastes shall be disposed of in an environmentally appropriate and legal manner.</p> <p>Finding: Empty oil and fuel containers were not appropriately disposed.</p> <p>Objective evidence: Oil spill and empty fuel oil containers were found outside of the gensest house in <i>Ladang TLC Yayasan Negeri Sembilan (Bukit Hijau Plantation)</i>.</p>	<p>Root cause Kurang pemahaman kontraktor terhadap pengurusan sisa dan pemantauan lapangan tidak diambil tindakan segera.</p> <p>Corrective action plan Arahan kepada pengusaha ladang untuk melaksanakan tindakan pembedulan.</p> <p>Surat arahan oleh Pejabat Hutan Daerah (PHD) dan Laporan semakan PHD mengesahkan pembedulan telah dilaksanakan.</p> <p>Satu sesi konsultasi bersama pemegang permit dan pengusaha ladang diadakan bagi</p>	<p>Result of investigation, correction and corrective action were accepted.</p> <p>Status: The effectiveness of the action taken to be verified during the next audit</p>

		meningkatkan pemahaman terhadap kepentingan dan kaedah pengurusan sisa di kawasan lesen.	
Minor LYD-01/2019	<p>Requirement : Indicator 8.1.2 Forest managers shall identify and implement appropriate monitoring procedures, in accordance with the scale and intensity of the forest management operations, for assessing social, ecological, environmental and economic impacts</p> <p>Finding : Monitoring and implementation of social, ecological, environmental and economic impacts was found to be insufficient</p> <p>Objective evidence :</p> <p>1. Monitoring of social, ecological, environmental and economic impacts were not sufficient for the following:</p> <ul style="list-style-type: none"> • <i>Ladang Hutan</i> Compartment 92, 94& 96 HSK Triang • <i>Ladang Hutan</i> Compartment 101, 102, 103, 104, 105, 106 HSK Pasoh <p>2. Response for the final result action taken against grievances from local communities (access during <i>Maklumat Kajian Impak Sosial Dalam Sektor Perhutanan</i>) were not effective for the following:</p> <ul style="list-style-type: none"> • Compartment 67A, HSK Triang – on open burning and grievance on public safety against heavy lorry access through public road • Compartment 90A, HSK Kenaboi – on <i>banjir lumpur</i>, damage to public road due to usage of XXL lorry etc. 	<p>Root cause Belum ada Borang Pemantauan yang khas disediakan bagi kaedah pemantauan kawasan ladang hutan.</p> <p>Kajian Cost Benefit Analysis (CBA) bagi masyarakat sekitar kawasan ladang hutan telah diadakan pada tahun 2018 tapi tidak menyeluruh.</p> <p>Corrective action plan</p> <p>Tindakan Jangka Masa Pendek Kaedah pemantauan kawasan ladang hutan adalah menggunakan Borang Pemantauan kawasan usahasil iaitu borang A,B,C.</p> <p>Memasukkan permohonan peruntukan bagi kajian CBA untuk masyarakat berhampiran kawasan Ladang Hutan yang merangkumi keseluruhan Negeri Sembilan</p> <p>Mengadakan sesi penerangan bersama responden tentang tindakan yang diambil oleh pihak Jabatan terhadap aduan masyarakat dalam borang SIA seperti gangguan lori bersaiz besar, kejadian banjir lumpur dan lain-lain.</p> <p>Kajian Pasaran serta penetapan Term Of Reference (TOR) bagi Kajian CBA dengan merujuk kepada Seksyen Ekonomi, IbuPejabat Perhutanan Semenanjung Malaysia.</p> <p>Tindakan Jangka Masa Panjang Memasukkan Agenda bagi Pelaporan SIA dalam Mesyuarat Jawatankuasa Operasi Hutan (JKPOH) Negeri. Aduan/ isu yang dilaporkan perlu mendapat maklumbalas daripada Pejabat Hutan Daerah</p>	<p>Result of investigation, correction and corrective action were accepted.</p> <p>Status: The effectiveness of the action taken to be verified during the next audit</p>

<p>OFI</p> <p>6.3.1</p>	<p><u>Availability and implementation of management guidelines to assess post-harvest natural regeneration, and measures to supplement natural regeneration, where necessary, in the FMU.</u></p> <p>During the inspection of skid trail completed logging site in Compartment 62A in HS Serting, it was found that the planting of seedlings on skid trails were only partially completed due to the lack of adequate seedling supply.</p>	<p>Not required.</p>	<p>Will be verified during next audit.</p>
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Verification on Previous Recertification Audit (2018) Audit Findings and Action Taken

Specification Major/ Minor/ OFI	Detail Non-conformances	Corrective Action Taken	Verification by Assessor
<p>Major MRS 01/2018</p>	<p>Indicator 6.5.3 - Availability and implementation of guidelines for forest road lay-out and construction, including log landings and drainage requirements</p> <p>Finding:</p> <ol style="list-style-type: none"> 2. Construction of additional skid trail was carried out without official permission from Forestry Department. 3. Logging road plan was not updated before construction of additional skid trail <p>Objective evidence:</p> <ol style="list-style-type: none"> 5. During site inspection, it was found that construction of additional and extension of skid trail without permission from District Forest Officer as below: <ul style="list-style-type: none"> • Compartment 33, Triang PRF (NU/01/03/2018) • Compartment 17 Senaling Inas PRF (NT/01/08/2018) • Compartment 38, Senaling Inas PRF (NT/01/02/2018) 6. Map of logging plan for these visited area (refer No.1) titled 'Pelan Kemajuan Pengusahasilan Hutan' not updated before construction of additional skid trail. 	<p>Kegagalan pihak kontraktor/pelesen memohon pindaan Lorong Penarik disebabkan oleh kekangan masa untuk setiap kali terdapat pindaan Lorong Penarik, pelesen/ kontraktor perlulah mengemukakan surat permohonan sedangkan mereka berada di dalam kawasan hutan. Selain daripada itu, jarak Lorong Penarik dan jajaran Lorong Penarik yang telah dicadangkan oleh pihak jurukur berlesen yang dilantik oleh pelesen kebarangkalian ketepatan adalah rendah. Kebiasaannya setelah pelaksanaan pembinaan Lorong Penarik di lapangan baru dapat jarak yang bersesuaian dengan atas tanah.</p> <p>Menambahbaik kaedah pemantauan dengan mewujudkan borang permohonan perubahan lorong penarik bagi mempercepatkan proses kelulusan perubahan Lorong Penarik, dimana borang diisikan oleh Kepala Hutan sendiri dan dikemukakan kepada pegawai pemantau dan terus diluluskan oleh Pegawai Hutan Daerah dengan sokong pegawai pemantau lapangan. Surat arahan menggunakan Borang Permohonan Perubahan Lorong Penarik)</p> <p>Memperbaiki Pelan Pemantauan Kawasan Lesen dengan memasukkan maklumat Pelan Jalan, Pelan Tagging dan Pelan Blok Kerja (Lampiran B – Surat arahan pengemaskinian Pelan Kemajuan Hutan- PHN.NS. 156/01/101/4 klt.2 (12)</p>	<p>During site inspection, it was found that construction of additional and extension of skid trail with permission from District Forest Officer for the visited logging area; Compt. 67 Triang PRF, Compt. 90A Kenaboi PRF, and Compt. 62 Serting PRF. And, map of logging plan for these visited areas titled 'Pelan Kemajuan Pengusahasilan Hutan' was updated before construction of additional skid trail.</p> <p>Status: Closed</p>

<p>Major (upgraded previous Minor NCR)</p> <p>MRS 02/2018</p>	<p>Indicator 6.5.4 - Availability and implementation of guidelines for conservation of buffer strips along streams and rivers</p> <p>Finding: The implementation of guidelines for conservation of buffer strips along streams and rivers were not adhered to</p> <p>Objective evidence: Inspection of closed logging site in Compartment 6, Angsi PRF (NB/01/09/2016), found the buffer zone at feeder road 1 was damaged by residues of fallen trees. Construction of feeder road had also resulted in severe siltation with soil run-off into the buffer zone and the river.</p>	<p>Tiada semakan khusus terhadap keadaan tanah di kawasan cadangan usahasil, faktor geografi/jenis tanah yang berpasir menyebabkan kejadian tanah runtuh yang kerap.</p> <p>Tindakan serta-merta: Penanaman pokok dan tutup bumi (rumput). Menyenaraikan kawasan kompartmen 6, HS Angsi sebagai kawasan pemulihan hutan bagi tahun 2019</p> <p>Tindakan Jangka masa panjang: Jabatan mengambil maklum perlunya penilaian teknikal daripada jurutera bertauliah berhubung semakan struktur tanah dan kesesuaian terhadap aktiviti pengusahasilan. Permohonan jabatan terhadap pengisian jawatan Jurutera (J41/J44) yang mana antara tugas adalah merancang dan mengurus kerja infrastruktur jalan hutan.</p> <p>Meningkatkan pemantauan di kawasan usahasil terutamanya kawasan yang mempunyai bufferzone</p> <p>Memperbaiki system dengan menetapkan kelulusan jalan tuju hanya diberikan setelah semakan lapangan (ground truthing) ke atas laporan jajaran lorong penarik dan jarak lorong penarik.</p>	<p>Inspection of active logging site in Compt. 67 Triang PRF, Compt. 90A Kenaboi PRF, and Compt. 62 Serting PRF found the buffer zone was marked and visible. Construction of feeder road at all visted sites had followed RIL specifications.</p> <p>Status: Closed</p>
<p>Minor</p> <p>MN01/2018</p>	<p>Indicator 4.2.3 - Appropriate safety and operational equipment in good working condition, including operational procedures, shall be made available to forest workers in the work place</p> <p>Finding: The FMU fail to comply the Factories and Machineries Act 1967 (Steam Boiler & Unfired Pressure Vessel) Regulations, 1970</p> <p>Objective evidence: During the inspection in storage room of Mantin Nursery on 4th October 2018 an air-compressor [Barcode No. 2015121483] was</p>	<p>Kurangnya pemahaman tentang keperluan terhadap Akta Kilang dan Jentera 1967.</p> <p>Jabatan telah merujuk kepada Jabatan Keselamatan dan Kesihatan Pekerjaan (JKKP) Seremban melalui surat PHN.NS. 156/01/101/4 klt.2(8) bertarikh 15 November 2018 memohon khidmat nasihat dan kerjasama daripada JKKP untuk pemeriksaan dan pendaftaran <i>air compressor</i> [Barcode no. 2015121483] tersebut. Pada masa yang sama, pihak pengguna (pekerja) air-</p>	<p>Inspection in storage room of Mantin Nursery, there was no air-compressor at the nursery. The air compressor unit with Barcode No. 2015121483 which was verified during previous audit had been disposed (<i>aset lupus</i>). There was no air compressor unit at the nursery.</p> <p>Status: Closed</p>

	found without record and Certificate of Fitness.	compressor adalah diarahkan untuk menghentikan sementara penggunaan air-compressor tersebut sebelum pengesahan daripada pihak JKPP.	
Minor MRS 03/2018	<p>Indicator 6.6.2 - Availability and implementation of guidelines and/or procedures on the use of chemicals in the forest approved by relevant regulatory authorities.</p> <p>Finding: The implementation of guidelines and/or procedures on the use of chemicals in forest plantation areas approved by relevant regulatory authorities were not sufficient.</p> <p>Objective evidence: Auditor has found that spraying workers at Block 7, rubber plantation area in Compartment 8, 57 & 58 (NU/PP/05/2018) wearing dust proof mask which do not sufficient to control the workers from exposure to chemicals.</p>	<p>Pengurus ladang tidak peka sepenuhnya keperluan alat perlindungan diri (PPE) yang mengikut spesifikasi yang ditetapkan.</p> <p>Taklimat keselamatan dan kesihatan pekerjaan (pengendalian Bahan Kimia Berbahaya Kepada Kesihatan) di tempat yang terlibat (kerjasama dengan pihak DOSH) telah diadakan pada 30 November 2018 oleh DOSH.</p>	<p>Auditor has found that spraying workers at rubber plantation – Bukit Hijau Plantation wearing <i>Dusk Proof Mask 201 -Jepun</i>) for spraying work which do not sufficient to control the workers from exposure to chemicals.</p> <p>Status: Due to recurrence of the same issue as raised during previous audit, the Minor NCR MRS 03/2018 was upgraded to Major NCR AA 01/2019.</p>
Minor KN01/2018	<p>Indicator 6.10.1 - The forest manager shall ensure that conversion from natural forest to forest plantations or non-forest use:</p> <p>a) Shall not include any High Conservation Value Forest areas; and b) Covers a very limited portion* of the FMU and shall enable clear, substantial, additional, secure, long term conservation, economic and social benefits across the FMU</p> <p>*“A limited portion” is defined as:</p> <ul style="list-style-type: none"> • not more than 2.5% of the total area of the FMU in the first 3 years; • not more than 1.5% for the subsequent 2 years; and • not more than 1% for the next subsequent 2 years. <p>Finding: The requirements for conversion of natural forest to forest plantations were not followed.</p> <p>Objective evidence: Site inspection was conducted at Compartment 25 Senaling Inas PRF (NP/01/17/2017 (P)) (99.84ha), and Compartment 8, 57, 58, 59 Triang PRF (NU/PP/05/2018 (LH)) (497.9ha), found the</p>	<p>Kurang pemahaman terhadap skop kajian kos benefit analisis (CBA) yang ditetapkan</p> <p>Jabatan dalam tindakan untuk penambahbaikan terhadap kajian CBA yang sedia ada dengan menjalankan perbincangan bersama seksyen ekonomi hutan, Bahagian Perancangan dan ekonomi hutan</p>	<p>The approval of these conversion was verified in “<i>Surat Kelulusan bil (1) dalam PHN.NS&M, 156/04/210/738T dated 13 March 2014</i>”. Auditor also has verified the social, environmental and economic cost benefit analysis report for Compartment 25 Senaling Inas PRF (NP/01/17/2017 (P)) (99.84ha), and Compartment 8, 57, 58, 59 Triang PRF (NU/PP/05/2018 (LH)) (497.9ha). The social, environmental and economic cost benefit analysis report titled ‘Kajian Analisis Kos – Faedah Bagi Projek Pengebahan Kawasan Hutan Asli Kepada Hutan Ladang: Dalam Hutan Simpanan Kekal Hutan Simpan Triang (HST), Hutan Simpan Johol (HSJ) & Hutan Simpan Senaling Inas (HSSI) Di Negeri Sembilan, 2018’ were sufficient.</p>

	social, environmental and economic cost benefit analysis report were not sufficient.		Status: Closed
Minor KN02/2018	<p>Indicator 8.3.1: Forest managers shall provide relevant documents for identifying all forest products leaving the area to be certified so that their origin could be easily determined.</p> <p>Finding: Documents for identifying all forest products leaving the area to be certified so that their origin could be easily determined were not updated in the tree tagging book.</p> <p>Objective evidence: During the inspection of the records at District Forest Office (Utara) for Compartment 76A Triang PRF license NU/01/05/2018, it was observed that logs that were transported out as written in the Removal Passes (species, log diameters and lengths) were found with missing alphabet serial number as in the Removal Pass below;</p> <ol style="list-style-type: none"> 1) Removal pass no MLK 082755 dated 20 June 2018 2) Removal pass no MLK 082764 dated 21 June 2018 3) Removal pass no MLK 082772 dated 22 June 2018 	<p>Bebanan kerja mempengaruhi konsistensi semasa merekod pas pemindah secara manual di balai pemeriksaan hutan</p> <p>Jabatan menyedari kekangan <i>Human Error Factor</i> dalam menjalankan tugas di lapangan terutamanya dalam Balai Pemeriksa Hutan. Berikutan itu, pada tahun 2016, Jabatan telah menandatangani perjanjian dengan Universiti Teknologi Melaka Malaysia (UTeM) bagi membangunkan Sistem Maklumat Perhutanan Bersepadu Negeri Sembilan (FIS-9) yang mengandungi modul Inventori Sebelum Tebangan (Pre-F), Modul Penandaan Pokok (Tagging), Modul Balai, Modul Hasil dan Modul Inventori Selepas Tebangan (Post-F). Sistem ini telah selesai dibangunkan dan selesai menjalani <i>System Test Run</i> di pejabat dan lapangan. Sehubungan dengan itu, penggunaan sistem FIS-9 akan digunakan sepenuhnya bermula tahun 2019.</p>	<p>During this audit, inspection of records and removal passes at the Mobile Checking Station in Serting FR indicated that records were in order. All tagging numbers in removal passes matched tagging records and calculations of volume and taxes were also found to be correct. In addition, the NSSFD will be applying a computerized system called Forest Integrated Information System for removal passes and tagging records. Application of such a system will simplify monitoring at the Checking Stations and avoid human errors such as missing alphabets and serial numbers of logs.</p> <p>Status: Closed</p>

-End of Report-