



FSJ Pilot Project Forest Management System 2016-17 Joint Operations MANAGEMENT REVIEW

Review of system requirements for:



- ISO 14001 Environmental Management System
- CSA Z809 Sustainable Forest Management System

Participants:

Date: Jan 22, 2018

PART 1: FMS

Purpose:

For the operation’s management team to stand back from the daily “noise” of the operation, and evaluate trends toward or away from the *Canfor Environment Policy, Chain of Custody, SFM Commitments*, and objectives and targets.

Management Reviews look backward at progress to date, and look forward to anticipate the need for changes to the FMS.

Management Reviews also evaluate the effectiveness of the FMS itself. **Management Review is the "Act"** in the Plan-Do-Check-Act continual improvement cycle, comparing actual results with the original objectives and targets to determine where further improvement is needed.

Previous FMS Joint Management Review Actions: - Darrell

Canfor & BCTS –

Summary of Management Input: (effectiveness, lessons learned, recommendations to improve)

- Continue with provision of input to provincial initiatives and to monitor impact to our plans.

Update on FMS Policy Modifications (If Any)

- > **Canfor:**
- > **BCTS:** None

Summary of Actions and Results from FMS Audits in Current calendar year 2016: - Evan

- FS John (Canfor & BCTS)

External Audit – July 17-21st, 2017

Findings:

- Link to action plan [NC action plan ext audit 2017](#)
- Link to audit report [2017 CSA Z809 Audit Public Report.pdf](#)
- BCTS KPMG-approved 2017 AUDIT ACTION PLAN



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- January 2018 Progress Update on BCTS KPMG-approved 2017 AUDIT ACTION PLAN



January 2018
Update on 2017 Audi

Follow-up on open non-conformities from previous audits (2016)

There were two minor non-conformities and one opportunity for improvement from the 2016 audit. The audit team reviewed the implementation of the action plans developed by FSJPP Participants to address these issues, and found that they had been effectively implemented.

As a result, all of the open findings identified during previous audits have now been closed.

2017 Audit

Major non-conformities

No major non-conformities were identified during the audit.

Minor non-conformities

1. Minor non-conformity: FSJPP-NC-2017-01

Applies to: BCTS

Standard/Element: CSA Z809 7.5.2 Checking & Corrective Action

Client Procedure: EOP 06 Incident Reporting procedure

The CSA Z809 standard at 7.5.2 specifies that procedures be established to identify and investigate non-conformities, mitigating impacts, and completing corrective actions. To meet these requirements BCTS has developed "Environmental Operating Procedure 06 Incident Reporting", which specifies the steps to address non-conformities, including investigating the incident, determining root cause, establishing corrections and corrective actions, among other items. These items are to be approved by the TSM or designate and documented in ITS (or CHK-009). However for the two incidents that have occurred in the past year (ITS-TPL-2016-0238 trespass, ITS-TPL-2017-0250, site prep machine crossed an S4) there were weaknesses such as:

- No root cause for one incident
- No corrective actions for one incident
- No mention of impact to the S4 stream (erosion caused sediment to enter the stream)
- Corrective action did not relate to root cause in one case
- BCTS investigator did not visit the site in one case (and the incident description incorrectly referenced a machine crossing an S4 stream however the audit site visit found the machine approached then backed away from the stream without crossing it).

These incidents were reviewed at the last EMS committee (which locally is the TSM/designate) but these gaps were not identified.

2. Minor non-conformity: FSJPP-NC-2017-02

Applies to: BCTS

Standard/Element: CSA Z809 7.5.2 Checking & Corrective Action**Client Procedure: BCTS EMS manual**

The CSA Z809 standard at 7.5.2 specifies that procedures be established to identify and investigate non-conformities, mitigating impacts, and completing corrective actions.

For audit findings the BCTS EMS Manual states the Business Area CSO / SFM Coordinator is to ensure that audit action plans identify root causes, corrections and corrective actions, for all non-conformities and, when appropriate, opportunities for improvement.

A review of the June 2017 internal audit identified a number of non-conformities that relate to the FSJPP. While corrective and preventive actions were developed, root cause was not established.

3. Minor non-conformity: FSJPP-NC-2017-03**Applies to: BCTS****Standard/Element: CSA Z809 7.4.2 Training****Client Procedure: BCTS EMS manual**

The CSA standard at 7.4.2 requires that SFM training needs be determined and personnel be trained. This is addressed by the BCTS EMS Manual, which states that the CSO team will develop the BCTS Training Matrix, and BA Supervisors will maintain records of training. In this regard, the following gaps were noted:

- For the 2016 aerial herbicide crew, the records show EMS training had not occurred for one of the three pilots, nor for four of the six ground crew.
- The records for one of the LPCs JB Bassett Contracting show that EMS training had not occurred for 5 of the 8 employees.
- For staff the Training Tracking Matrix 2017 shows training requirements & records, however this indicates some training is lacking i.e. of seven staff records show seven are missing 'Building Relationships with First Nations' two are missing 'Invasive Plants training', one is missing 'Species at Risk' training etc.

4. Minor non-conformity: FSJPP-NC-2017-04**Applies to: Canfor****Standard/Element: CSA Z809 7.5.2 Corrective and Preventive Action****Client Procedure: FMG Incident Reporting SWP**

The ITS ledger documents descriptions, preventive/corrective actions and status/completion for each incident. A review of the ITS file in general follows the required steps outlined in the FMG Incident Reporting SWP, however, five closed incidents lack documentation for corrective action or root cause as per step 6 in the SWP.

5. Minor non-conformity: FSJPP-NC-2017-05**Applies to: Canfor****Standard/Element: CSA Z809 7.4.6 Operational Controls****Client Procedure: Contract Worker SWP**

CSA Z809-2 standard at 7.4.6 requires the company to establish, maintain operational controls that meet SFM requirements. The audit found that this requirement has been generally met, however observations at Canfor's Pre Harvest development road at Block 01238 found that the contractor failed to install a culvert adjacent to an NCD as identified in the prework; the intent of the outlet culvert is to divert ditchline siltation from entering an NCD.

Opportunities for Improvement

Two opportunities for improvement were identified during the audit:

1. Opportunity for improvement: FSJPP-OFI-2017-01

Applies to: Canfor

Standard/Element: CSA Z809 6.1 DFA-specific performance requirements

Client Procedure: Canfor's Moose Strategy, March 2017

Canfor has recently drafted a corporate moose strategy that is in the early stages of implementation on the Fort St John TSA. It provides site-specific guidance for example on riparian areas and wetlands, reserve sizes & connectivity, licks & wallows, roadside screening among other items.

This information would be useful if summarized for planners & field layout personnel.

2. Opportunity for improvement: FSJPP-OFI-2017-02

Applies to: FSJPP Participants

Standard/Element: CSA Z809 5.5 Communication

Client Procedure: FSJPP website / BCTS website

It is noted that:

1. The FSJPP website has content that is out of date.
2. Some of the certification documents posted on the internal BCTS website (https://www.for.gov.bc.ca/bcts/areas/TPL/TPL_ems-internal.htm) have links that are broken.

Action plan for MNCs submitted to KPMG approved.

Canfor Internal Audit – June 13-16, 2017

Findings:

- Link to action plan [internal_audit_actions.xls](#)
- Link to audit report [Internal Audit Summary FSJ-FN Jun-2017](#)

Non-conformity/Non-compliance:

No major or minor non-conformities identified,

No unidentified non-compliance detected

Six opportunities for improvement identified

Opportunities for Improvement

- OFI #1: ensure contractors provide their camp large stationary tank re-fueling guidelines/expectations to their suppliers (i.e. remain with nozzle, clean up any minor spills, report any spills of significance),
- OFI #2: continue with the contractor fuel mgmt inspections to ensure tanks remain inspected/spec' and kit requirements are complete noting one lapsed fire extinguisher found, Consider reviewing contractor tank ledgers noting W&M's 2017-2 ledger contains incorrect entries for five year test due dates,
- OFI #3: ensure ITS action plans/progress details address the issue/deficiency detected and close the loop rather than passing the deficiency to an owner (e.g., blown culvert passed to road foreman and APN closed),
- OFI #4: Site Level Plan improvement comments include:
 - ensure the PAS comments are correct and where PAS exceeds 5% provide a rationale as to why it is required (i.e. blk 06035),
 - ensure stream/riparian comments are specific to block where mgmt actions are required. If the

RMA is not within the block then state such and that no mgmt actions are required (i.e. blk 06035 S2/Cameron River centre lined in red ribbon),

- OFI #5: ensure the link to the FSJohn annual report (2015) is fixed on canfor.com such that the document remains fully publically available,
- OFI #6: (1) consider adding a cell to the annual report indicator table that identifies of the indicator is met/not met by Canfor and BCTS making it easy for the reader to assess performance, (3) consider comments made with the Z809-16 indicator review matrix.

BCTS Internal Audit – June 6th – 8th , 2017

Findings:

- Audit Action Plan:



2017 BCTS Internal
Audit Action Plan2017

- Full Audit Report:



BCTS 2017 FULL
INTERNAL AUDIT REF

- Excerpt from BCTS 2017 Internal Audit Report Pertaining to FSJPP: (full audit report attached for context)

Good Management Practices

1. Excellent stubbing and riparian protection on the FSJ completed harvest areas.
2. EMS Committee meeting format and agenda is effective.
3. New procedures and plans to address fire hazard assessments and controls for ensuring slash piles are extinguished.
4. SAR info packages for harvesting operations is effective with pictures and habitat requirements.
5. LPC trespass incident in FSJ where operator stopped and notified supervisor as soon as the map and the GPS did not match.

Audit Findings

Minor Non-Conformance

Minor NC03

Standard/Element: EMS/CSA 4/7.4.6 & SFI 3 – Water Management

Dawson & FSJ (indicator 6.36)

The audit found that an S6 stream TSL A89924 (Dawson) and TSL A92974 NCD (FSJ) that was crossed in the winter was not removed to mitigate the introduction of sediment to the streams.

Minor NC05

Standard/Element: EMS 4.5.1 & SFI 15 - Monitoring

Dawson & FSJ

The audit found that inspections did not always occur within the 2 week timeframe for an initial inspection and progress inspections did not always check that operations were completed adequately.

The thoroughness of inspections could also be improved to ensure areas that could be checked for completeness such as: stakeholder notifications, deactivation works, crossings removals, equipment left onsite, wet areas protection, LPC inspections, tests and drills, were adequate and not causing environmental concerns.

Minor NC06

Standard/Element: EMS 4/7.4.6 & SFI 11 - Training

Business Area

The audit found that required staff training was not completed as required.

Opportunities for Improvement

OFI 01

Standard/Element: EMS 4.4.3 & 7.4.3 Communications:

All BA

Consider continuing the EMS Committee meetings to assess progress in meeting the EMP's, ITS, training needs and environmental performance.

OFI 02

Standard/Element: EMS/SFM – 4/7.4.2/SFI 11 Training:

Business Area

Consider adding migratory bird training to the training needs matrix. Mandatory training....

OFI 04

Standard/Element: EMS/SFM – 4/7.4.2/SFI 9 Operational Controls:

Business Area/Provincial

Consider adding to the EFP STOP Boxes info on Migratory Bird Nest sightings.

Communication from external Interested Parties, Including Complaints from most current SFM Annual report – 2016-17: Stacy

The participants received ten public inquiries during the reporting period. The nature of the inquiries, and a general summary of response for each, follows below.

A range tenure holder came into the Canfor office to inquire about timing of harvesting on remaining blocks on Attachie Rd. 44062 and 44054 were to be logged that winter. The range tenure holder requested that the cattle guard at the start of the Attachie Rd be removed and just the gate remain.

Canfor met with a rancher at his ranch in Beryl Praire to view blocks 45030 and 45043. The range tenure holder felt that Canfor has excessively harvested deciduous blocks in the range area. He is not entirely opposed to harvesting, just wants to see block sizes smaller and less frequent entries.

A rancher emailed Canfor regarding two fenceline crossing locations: 05-120-03 Rd and S-10-036-00 R. Fencelines had not been repaired after winter logging completion and required considerable time to reestablish.

A landowner called and said our logging operations had displaced her survey pin that marks her property boundary on the west corner. Canfor committed to having it replaced in snow free conditions.

Trapper came into the Canfor office to discuss activities on their trapline. They told Canfor that they mainly trap in the part of the trapline North of the North Nig connector and West of the Beaton Airport road because there is very little development in that area and the trapping is still good. Canfor has 6 blocks planned for that area. They are already laid out and harvest start is scheduled for winter 2018. They are blocks 18054, 18055, 18052, 18056, 18057, 18053. They requested that Canfor walk the blocks prior to harvesting to identify any bear dens. Canfor reassured them that our field crews and contractors cover the ground inside our blocks extraordinary well and we are able to identify most wildlife features during layout and they are protected from harvesting. Canfor committed to sending maps of each of the blocks and also said Canfor would follow up in the summer to see if they wanted to walk the blocks. They realized it was too late to ask for the blocks to not be harvested. Critter piles along the block boundary were suggested for these blocks. They inquired about the business relationships and how BCTS works. They were interested in work opportunities for blocks on their trapline.

Rancher and Canfor met on block 27046 with the logging contractor to agree on range commitments to be carried out by the logging contractor, after the rancher called Canfor with concerns regarding how layout and logging was completed. The rancher was satisfied after the field visit.

Met with private land owner to discuss the use of the old Alaska Highway road (11-401Rd) that runs through the northern portion of his private land. This road would be used to access block 01180. Landowner had no issues with Canfor using this road so long as some set out conditions were met.

Trapper called Canfor office as a result of receiving road use agreement referral for Canfor requesting CNRL road use. He was concerned about the planned Siphon fire salvage blocks being in his trapline tenure. Only one block 25040 is in the tenure area and it was a carry over from FOS2010. The trapper wasn't notified through amendment 256 as this block was already info shared. Canfor spoke with the trapper and sent a map of the area. The trapper confirmed that he doesn't have any traps set up in this area and has no concerns about harvesting.

Canfor called rancher and told him harvesting will be commencing shortly. Let him know we were aware of his property. Canfor told him we took some photos for documentation of the before condition of his fence line and will monitor the condition of his fence during and after harvesting.

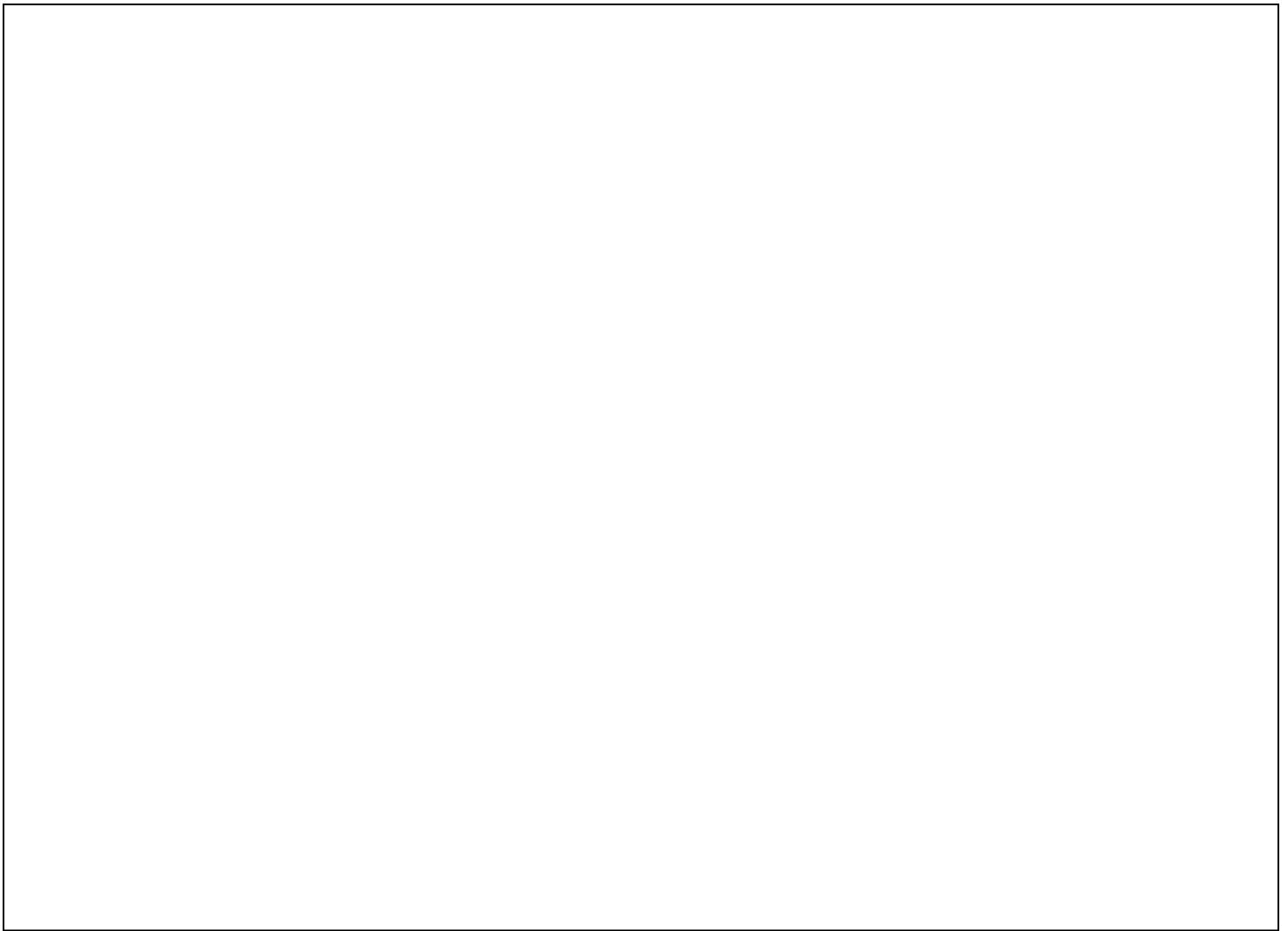
A trapper lost several traps the first winter Canfor logged on the Attachie Rd (2014-2015). He said they were lost as a result of the logging as he was unable to get them out before the logging started. Canfor told him he should contact us right away if this traps are impacted as several years have passed since the traps were lost. Canfor committed to sending out a three year plan map of the trapline area so he has a better idea of where the harvesting will occur.

BCTS:

BCTS received a call from a trapper to complain about damage to trapping boxes, traps, and snares from a logging operation last fall and winter. The locations he gave match up with blocks on the Beryl Prairie Rd for TSL A93052. The trapper said he marked the areas with "Active Trapping" flagging tape and yet that did not prevent the damage.

Upon further investigation, it was determined that an administrative error by BCTS resulted in the wrong trapper information being given out to the Licensee. The Licensee is required to contact the trapper a minimum of 14 days before commencing harvest to ensure that the trapper has sufficient time to remove their equipment. Unfortunately the trapline had changed ownership and BCTS gave the prior holder's contact information rather than the current ones.

BCTS contacted the trapper and explained the situation to him with our deepest apologies that this situation came about. Compensation was not considered nor demanded.



Environmental Programs from Current Calendar year 2016:

Extent To Which Objectives and Targets (Environmental Program) Have Been Met:


Canfor FMG Environment Program - Darrell

- *Actual Results vs Targets*
- Canfor established one FMG wide Environmental Program for 2017. The Environmental Program describes the Environmental Objectives and Targets for the current year.

<u>Objective</u>	<u>2016 FSJ Result</u>	<u>2017 FMG Target</u>	<u>2017 FSJ YTD</u>
Reduce the number of harvest and road trespasses.	1	6	1
Reduce the number of outside treatment of herbicide	0	<3	0
Reduce the number of fuel management guidelines incidents	4	10	1
Reduce the number of riparian management incidents.	5	3	2

The 2018 Canfor Environmental Program has not been developed at this time.

Extracted from 2017 BCTS Peace-Liard EMS Management Review :

Element	Mandatory or Optional	Local Business Area Report			
2.3 Objective and Targets <i>This field is used to provide a summary BA performance relative to objectives and targets.</i> <i>Section 1 Provincial Core BA Objectives and Targets Summary To be reported beginning 2013</i> <i>Section 2:EMP Status Summary:</i> - Open/Progressing means EMP target has not been achieved but assessment date is before due date. May include EMP targets where due date has been amended with mgmt approval before due date. - Include Provincial Core BA and Local Objectives and Targets - Total EMP Targets(d) must equal the sum of a+b+c Please attach copy of current BA EMP (Table EMS 006-1)  Scan_20170816.pdf	Mandatory	1. Provincial Core BA Objectives and Targets Summary			
		Target	BA Target Threshold	BA Performance	Status
		Target 1.1: Non-Compliances	3	5	Threshold exceeded
		Target 1.2: Significant Non-Conformances	2	1	Below threshold
		Target 2.1: Fuel Handling	2	0	Below threshold
		Target 3.1: Water Mgmt	2	5	Threshold exceeded
		Target 4.1: Riparian Mgmt	2	0	Below threshold
		2. EMP Status Summary (Provincial Core BA and Local Objectives and Targets)			
		a) EMP Targets Achieved	b) EMP Targets Open / Progressing	c) EMP Targets Not Achieved	d) Total EMP Targets (a+b+c)
		3	0	2	5
Local Management Input (trends, issues, or rationale related to the above): Two of the five non-compliances were fires resulting from hazard abatement activities on April 18th , 2016 during a major wind event north of Ft St John. One of the five water management non-conformities was related to a Donaren moulder approaching an S4 stream on site prep contract in the FSJ Pilot Project DFA.					

Summary of Non-Compliances, Non-Conformances and Status of Corrective and Preventative Action from most current SFM Annual report – 2016-17

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- **Canfor FS John 2016-17 Reporting Period - Darrell**
2 Non-Compliances in 2016-17

Brushing Crew Camped in Recreation Site

Brushing crews stayed in their travel trailers at the Graham Recreation Site. Regulations identify that "a recreation site, recreation trail or interpretive forest site" cannot be used for "a business or industrial activity". Crew found by Ministry personnel and promptly moved when asked to vacate.

Herbicide application outside planned area

Herbicide overspray incident from, 2015 that was discovered during a brushing program review in 2016.

Minor off target herbicide applications into non treatment zones inside of the cutblock boundary. The off target herbicide application totaled less than 0.1 ha impacted.

The MOE was not notified because the OTA occurred within the authorized area

Harvest Outside of Authorized Area

When the pre-work was done for block 45047 the harvesting supervisor was not aware that the 87m access road to block 45054 was not under permit. The logging contractor on-site supervisor and the buncher operator when reviewing the map in the field, were concerned about the road in question, so they asked the contractor Operations Manager whether they were able to cut and construct this road.

The Canfor harvesting superintendent was contacted and identified that the first section of road was out of block and the permit had not yet been approved. The logging contractor operations manager contacted the on-site supervisor on Thursday, August 11th and informed him that this road could not be constructed. On Friday August 12th, the supervisor spoke with one of the two buncherman that were on this block and identified that the road could not be cut. The other buncherman, who was not present that day because he had a doctor's appointment, was not informed of the development. The site supervisor assumed that as both buncherman drive to work together, and discuss where they will work on any given day, this information would be discussed. On Tuesday, August 16th, the buncherman that was absent during the discussion of the decision to not harvest and construct the road to block 45054, bunched the small strip that was ribboned outside of block 45047.

The site supervisor discovered the unauthorized harvesting later that day and informed Canfor, who then notified the MFLNRO.

An area of 0.04 ha was harvested without proper authorization.
The MFLNRO issued a warning ticket

BCTS FS John fiscal 2016-17 Reporting Period

Three statutory non-compliances were reported to MFLNRO C&E and tickets were issued by MFLNRO C&E.

1. Burning Escape – 2 incidents

In late April 2016, previously lit debris piles north of Ft St John, thought to be extinguished, reignited during an unusual weather event featuring hot, high winds with prolonged wind gusts of greater than 80km/hr and temperatures near 28 degrees Celsius. The resulting wind-driven fires started burning across the blocks and into adjacent timber. The fires were separately investigated by BCTS, WMBC and C&E. In one instance C&E issued a violation ticket for failure to have a fire suppression system in place. The other incident is still under investigation and believed to be headed to an administrative hearing before the Fire Centre Manager.

2. Harvest Outside of Authorized Area

Feller buncher operator was cutting trees along a boundary when he suddenly realized that his GPS unit indicated that he was outside the block boundary. Immediately stopped and informed supervisor who self-reported trespass to BCTS. The incident was investigated by C&E and a

ticket issued. That said, the quick, observant actions of the operator were commended by the BCTS Internal Auditor in the “Good Practices” section of the attached audit

3. Machinery Crossed Stream

Donaren site preparation contractor completed a late fall season contract for BCTS. A final inspection by BCTS was not completed as heavy snow and winter hit. A BCTS staff member was on the block to check other obligations in the late spring of 2017. He identified that it appeared that the site preparation equipment had crossed the S4 stream on the block. Later in the year during the external audit and the snows had melted, the auditors and accompanying BCTS staff determined that the Donaren mounder only approached but did not cross the stream. The incident did likely deposit sediments into the S4 stream. BCTS created a deactivation prescription and the affected road on the treatment area was rehabilitated in October 2017 and the works will be reinspected post-freshet 2018.

Changing Circumstances Related to Environmental Aspects:

FMG Environment Program –

Canfor 2018 Environmental program to be developed in January 2018. No significant changes to environmental aspects or ranking foreseen.

BCTS: The Environmental aspects are reviewed annually, and there has been no change to the significant environmental aspects since 2011.

Summary of Management Input:

Actions:

PART 2: Sustainable Forest Management Plan

Previous SFM Management Review Actions: Darrell

- **FS John:**
- Action – Pilot Working Group (PWG) to revise seral indicator when OGMAs officially approved by gov't. **Carry Forward.**
See summary on page 1.
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Performance in Relation to Targets: most current SFM Annual report:

2016-17 SFM Annual Report - Darrell

SFM Plan	# Indicators	# Targets Met	# Indicators Pending	# Targets Not Met
FS John	67	64	0	3 (9 Wildlife GTree Patches, 56 Maintenance of Wildlife and Fisheries Habitat Values, 63 Worker training,)

➤ *Annual Report:*

- Variances, Objectives, Indicators and Targets (VOITs) and performance relation to targets summarized above
Discussed wPAG addition of 2 new Indicators – Effective Communication - with First Nations and with Users of Non Timber Resources – CSA Z809-16 requirement.

➤ *Knowledge gaps*

- No known in FSJohn. Carbon indicator – we had expected that a new carbon budget analysis would be completed with TSR for FSJ TSA. If the TSR process does not complete a carbon budget analysis, the FSJPP participants may wish to consider revising the existing carbon analysis for the TSA. It should be noted that very few Canfor divisions have a carbon budget analysis. We have mentioned to MFLNRO that a carbon analysis should be completed for the FSJ TSA. To date the MFLNRO has indicated that a carbon analysis will be included in the FSJ TSR analysis. The public analysis summary did not include a carbon analysis.
- Walter Fister and Darrell Regimbald were working with Charlie Western and others to develop an info package for MFLNRO in support of proposing revisions to FRPA to incorporate the positive features of the FSJ pilot regulation, such as operation under an SFMP and FOS rather than an FSP. Very little response from government regarding the recommendations made by the working group. To date we have not received a written response from government respecting the fate of the FSJPP regulation.
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➤ *Procedures and BMPs*

- Procedures regarding management for Species at risk as noted in SAR Std Level Mgmt Guidelines document will be reviewed and the document updated to ensure it is complete.
- Moose management – have been working with HRFN to develop a strategy to manage for moose in the 109 rd area. Also developing a set of practices to guide harvesting and reforestation in the BRFN Critical and Trapline family areas that mitigates impact to moose. Also developing a set of moose management practices and moose habitat suitability mapping and recommendations for revisuiioons to stocking stds. May wish to consider how to incorporatethe moose habitat management strategy into the SFMP.

➤ *Progress towards selected forecast scenario*

- Continue to focus harvest on salvage of beetle killed conifer timber (Sx and Mtn Pine beetles). Development focus in 2016 was on fire salvage. No fire salvage in 2017. Focus for 2018 should include monitoring for increase in spruce beetle.
- TSR3 commenced in late 2013 for FSJ TSA. MFLNRO completed development of data package in 2015 and released analysis in November 2016. Basically suggests status quo. Awaiting AAC determination.

SFM policy commitments -

- *Meeting Legal requirements –*
 - Non Compliance issues to forestry legislation noted.
- *Complying with Other requirements –*
 - No issues of non compliance noted.
- *Achieve and maintain SFM –*
 - 2016-17 Annual report completed, rolled out to PAG. Copy of FSJ annual report submitted to Govt. and FSJ Library and posted to FSJPP website and Canfor external website.
- *Set and review targets –*
 - No substantive revisions in 2016-17.
 - Completed review of SFMP 3 Indicator matrix against new CSA SFM std and identified minor gaps. Proposed addition of 2 indicators to plug gaps.
- *Opportunities for other parties to have input into SFM –*
 - First Nations and public invited to attend PAG meetings. First Nations and public afforded opportunity to comment on Major FSJ FOS 2 Amendments in calendar 2016 and FOS 3 in 2017. Comments received are noted in PAG meeting summaries and in COPI. PAG notified of our intent to seek 2 year extension to approval term of SFMP# 2 and of approval request for SFMP# 3. Still awaiting approval determination for SFMP3.
- *Promote environmental awareness –*
 - as noted above, and by way of PAG field trips, participation in local trade shows, COFI educational camps, submission of SFM annual report to FSJ public library and posting on Canfor, BCTS and FSJPP websites.
- *Conduct regular audits -*
 - 2017 internal and external audits completed and discussed
 - Internal and external Audits yet to be scheduled for 2018.
- *Communicate FMS performance to board of directors, shareholders, employees, customers and other interested parties –*
 - As noted above, as well as regular updates to planning manager and FMG management team.

Public Participation Process: - Darrell

FS John

- *Lessons learned*
 - Survey monkey used to gauge the public process participation satisfaction survey. Great results in spring 2017, exceeded target of an 80% level of satisfaction.
- *Activities conducted to maintain a PAG and summary of the PAG meetings*
 - A total of 3 PAG meetings (incl field trip) were conducted during the 2016-17 reporting period. PAG completion of public process participation satisfaction survey revealed high level of satisfaction with the public participation process.
- *Specific PAG concerns*
 - As captured in PAG meeting minutes. Related to general desire to see a trend to reduction in use of herbicide and to maintain the FSJPP processes. Generally speaking the PAG runs very well and is constructive and supportive.
 - Concern over the upcoming demise of FSJPPR. The PAG desires to stay informed.
 - Field trip in June 2017 was successful – reviewed fire salvage and Sx beetle biology.
- *Public Communications*
 - Individuals offered opportunity to learn and provide input by way of PAG meetings, interaction with managing participant staff at local trade show and COFI education camp.
- *Changing expectations / requirements of interested parties*
 - In comparison to the previous years, there has been relatively little change in PAG membership. Consider running newspaper ads to attract new members???

Audit Findings;

see audit summary in FMS section.



Changes and Need to Modify SFM: - Darrell

FS John

- *Indicator #2 (proposed revision for consideration): Seral Stage*
 - New OGMA project will prompt need to change discussion of indicator and target.
- *Indicator # 11 (proposed revision for consideration): SAR Stand Level Management Guidelines*
 - *Species Accounting System to be applied into discussion of indicator upon development of Canfor FMG biodiversity strategy implementation strategy. Interim*
 - *Participants should consider updating the SAR Stand Level Management Guidelines document.*
- Pilot working group to consider making revisions to the SFMP for these indicators as needed.

Canfor SFM Initiatives: - Darrell

- SFG group inactive.
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Summary of Management Input: (effectiveness, lessons learned, recommendations to improve)

Actions:

- ???
-

Actions Summary Dec 12, 2017 Joint Management Review

Carry Forward Actions

Action – continue with OGMA identification project and review of Seral indicator status – **Analysis of OGMA proposal in progress. Carry Forward to 2018.**

Action – Pilot Working Group (PWG) to revise seral indicator when OGMA's officially approved by gov't. – **Carry forward to 2018.**

Action – upon completion of the FSJ TSR, review the SFMP timber harvesting strategy indicators that are tied to the TSA AAC and the timber harvesting landbase to determine if any changes to the indicators are required as a result of the forthcoming new AAC for the FSJ TSA. – **Carry forward to 2018.**

Action – review the cumulative effects monitoring that the MFLNRO is doing. Consider if any of the SFMP indicators that we forecast during the FOS – SFMP Indicator analysis should be tweaked to align with the indicator used in the provinces cumulative effects monitoring. – **Carry forward to 2018.**

Action – monitor the wildlife management actions of the province for impact on the SFMP strategies (moose, caribou). **Ongoing – carry forward to 2018.**

New Actions