

**ISSC 2019
Committee Report**

Committee Name : MSC
Chairperson: Joel Hansel
Date of Meeting: Multiple Emails

Committee Members Present:

Joel Hansel (Chairperson)	Bob Schuster Tom Howell	Bill Burkhardt (FDA Delegate)	(NOAA Delegate)
Kohl Kanwit	Mike Hickey	Jon Bell	

Charges

Charge 1: Proposal 11-103: Alternative Male-Specific Coliphage Meat Standard for Restricted Classification of Growing Areas Impacted by wastewater treatment plant outfall that maybe used as a source of shellfish for depuration.

The FDA did not concur with the conference action on Proposal 11-103. The primary reason for FDA non-concurrence was that the language as adopted suggested that harvesting could occur in restricted waters (where dilution concerns had previously prevented harvesting with the use of MSC as an option). It is the position of FDA that should a state choose to allow harvesting in restricted areas as described above then the use of MSC is mandatory. It is my understanding that the intent of the MSC Committee was that MSC be a requirement for allowing harvesting in the areas described above. The Committee is requested to develop clarifying language to be presented to Task Force I.

Findings/Conclusions:

Through the exchange of multiple emails, the committee discussed clarifying language that would require a state that chooses to allow harvesting in conditionally restricted waters adjacent to WWTP that would otherwise be classified as prohibited to use male specific coliphage (MSC).

Recommendations:

The Committee recommends the adoption of 11-103 as amended.

K. Supplemental Requirements for Depuration using MSC Viral Controls for Shellstock Harvested from Conditionally Restricted Growing Areas Impacted by Wastewater System Discharge (WWSD) outside of a 300:1 dilution or the EPA Toxic Dilution Zone (whichever is greater) and within an area determined to be impacted by wastewater treatment system discharge. These requirements would allow harvesting in areas that would otherwise be classified as prohibited due to viral pollution concerns. The harvest area that could be considered would include the area between 300:1 dilution or the EPA Toxic Dilution (whichever is greater) and the established boundary for depuration (Chapter IV @ .02 G.)

~~If the conditionally restricted growing area from which the shellstock is being depurated is impacted by wastewater treatment system discharge (generally that section of the conditionally restricted growing area located within the 300:1 to 1000:1 dilution lines), then supplemental requirements for depuration using MSC viral controls may be required. Depuration using MSC viral controls may be seasonally limited and may be species and depuration facility specific. The supplemental requirements must be included in contaminant reduction studies as described in (1) below ~~are recommended unless the SSCA and the Depuration Facility Operator have significant experience with the depuration process using MSC viral controls.~~~~

(1) Male-specific coliphage ~~may~~shall be used in addition to fecal coliform for species-specific, growing area-specific, and depuration system-specific contaminant reduction studies. These contaminant reduction studies should demonstrate that;

~~(a) Predictable periods of time exist when male specific coliphage levels are less than 1,000 PFU/100gm in shellfish meats;~~

~~(b)~~ Male-specific coliphage and fecal coliform can be consistently reduced below end-point requirements, and

~~(c)~~ Critical limits of season, process water temperature and salinity, and system design and operation limitations can be assessed and determined

~~(d)~~ Species-specific operating protocols ~~may~~shall be developed from the contaminant reduction studies for each conditionally restricted growing area that includes;

- (i) Calendar dates when depuration shall be permitted,
- (ii) Water temperature and salinity limitations,
- (iii) Minimum processing time,
- (iv) Sampling requirements and release criteria, and
- (v) Operating Protocol.

(2) All requirements of Chapter XV shall be followed,

(3) A single 0-day MSC ~~shellfish~~triplicate meat sample is required.

~~(4) The MSC end point requirement for depuration is 50 PFU/100gm. If the single 0 day sample exceeds 50 PFU/100gm, then triplicate samples are required prior to release of product.~~

~~(5)~~ The geometric mean of the triplicate samples used for product release must not exceed 50PFU/100gm and no single sample over 100 PFU/100gm

~~(6)~~ Extended depuration ~~may be permitted~~is allowable if necessary to achieve end-point requirements.

~~(7)~~ Evaluation of male-specific coliphage samples shall be performed in an NSSP conforming laboratory,