

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy or regulations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

**National Organic Standards Board (NOSB)
Handling Subcommittee (HS) Meeting Notes
Tuesday, January 7, 2014 1:00 pm ET**

Present: Harold Austin, Chair (HA), Jennifer Taylor (JT), Tracy Favre (TF), Zea Sonnabend (ZS), Joe Dickson (JD), Mac Stone (MS) - sitting in

Absent: John Foster, Vice Chair (JFo)

Staff: Michelle Arsenault (MA), Emily Brown Rosen (EBR)

Work Plan

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gibberellic acid Petition Addendum	Add to 205.605	ZS, TF	Yes	Petition sent to HS 07 27 12. Petition suff response due 09 27 12. Sent back to petitioner for additional questions 01 09 13. Rcvd response 04 16 13. On hold until post- harvest handling draft guidance is published.		Fall 2014
Whole algal flour	205.606	HA		Petition sent to HS on 09 30 13. Petition suff (including TR Request, if applicable) due 11 29 13. TR found insufficient. Sent addit'l Q's to TR contractor		TBD
2012 Ammonium hydroxide (boiler water additive)	Add to 205.605	JR	No 2001 TAP	2000 petition. 2001 Recommendation. 2001 Background Paper. 2012 Petition sent to HS 11 06 12. Petition Sufficiency Response Due Date: 01 27 13. Petition found sufficient 12 18 12. No TR requested Possible addition of extra questions?	Voted 02 19 13	Proposal Spr 2014
Glycerin CAS #(56-81-5)	Remove from 205.605(b)	TF	1995 TR 2013 TR	Petition sent to HS on 01 09 13. Sufficiency response due 03 11 13. TR sent to HS on 06 11 13. Sufficiency due 08 12 13. TR found suff 07 02 13, Proposal Possible addition of extra questions about organic supply?	Voted 08 20 13	Proposal Spr 2014
Polyalkylene glycol monobutyl ether PGME (PDF) (CAS #	205.605	JR	2013 TR	Petition sent to MS/HS 01 28 13. TR Requested 2 19 2013. Draft TR sent to HS 06 11 13. TR sufficiency response	Voted 08 20 13	Disc doc Spr 2014

Petitioned Substances

Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
9038-95-3) As a boiler water additive				due 08 12 13. TR found sufficient 07 02 13. Discussion doc.		

2015 Sunsets § 205.605(a) and 205.606

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gellan gum CAS # 71010-52-1	205.605(a)	JD	Y	2006 TR , 2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Marsala	205.606(g)	TF	No	2008 Recommendation 2010 FR notice Possible addition of questions for Spr 2014 meeting?		Summary: Spr 2014 Review: Fall 2014
Sherry	205.606(g)	TF	No	2008 Recommendation 2010 FR notice Possible addition of questions for Spr 2014 meeting?		Summary: Spr 2014 Review: Fall 2014
Tragacanth CAS # 9000-65-1	205.606(x)	JD	No	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014

2016 Sunsets § 205.605(a) and 205.606

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Egg white lysozyme CAS # 9001-63-2	205.605(a)	TF	No new TR 2011 TR 2003 TAP	Final Sunset Recommendation on Egg White Lysozyme on 205.605b (PDF) Nov 2009.		Summary: Fall 2014 Review: Spr 2015
Microorganisms	205.605	ZS	Y 2003 TAP	Final Sunset Recommendation on Microorganisms on 205.605b (PDF) Nov 2009. TR requested by NOP Aug 26 2013. Due late Dec.		Summary: Fall 2014 Review: Spr 2015

Activated charcoal CAS #s 7440-44-0; 64365-11-3	205.605(b)	HA	No new TR 2002 TAP	Final Sunset Recommendation on Activated Charcoal on 205.605b (PDF) Nov 2009		Summary: Fall 2014 Review: Spr 2015
Peracetic acid CAS # 79-21-0	205.605(b))	JFo	No new TR 2000 TAP	Final Sunset Recommendation on Peracetic Acid on 205.605b (PDF) Oct 2009		Summary: Fall 2014 Review: Spr 2015
Cyclohexylamine CAS # 108 -91-8	205.605(b)	JT/HA	2001 TAP	Final Sunset Recommendation on Cyclohexylamine on 205.605b (PDF) Nov 2009. TR determination will be done week of Jan 17.		Summary: Fall 2014 Review: Spr 2015
Diethylaminoethanol CAS # 100-37-8	205.605(b)	JT/HA	2001 TAP	Final Sunset Recommendation on Dethylaminoethanol on 205.605b (PDF) Nov 2009. TR determination will be done week of Jan 17.		Summary: Fall 2014 Review: Spr 2015
Octadecylamine CAS # 124-30-1	205.605(b)	TF	2001 TAP NO new TR request	Final Sunset Recommendation on Octadecylamine on 205.605b (PDF) Nov. 2009.		Summary: Fall 2014 Review: Spr 2015
L-Malic acid CAS # 97 -67-6).	205.605(a)	JD	2003 TAP	Final Sunset Recommendation on L-Malic Acid on 205.605b (PDF) Nov 2009. TR determination will be done week of Jan 17.		Summary: Fall 2014 Review: Spr 2015
Sodium acid pyrophosphate CAS # 7758-16-9 2009 Expanded use	205.605(b)	JD	2001 TAP 2010 TR No New TR	Apr 2011 Subcomm recommendation April 2011 NOSB recommendation Final Sunset Recommendation on SAPP on 205.605b (PDF) Nov 2009		Summary: Fall 2014 Review: Spr 2015
Tetrasodium pyrophosphate (TSPP) CAS # 7722-88-5	205.605(b)	ZS	Y 2002 TR	Final Sunset Recommendation on TSPP on 205.605b (PDF) Nov 2009. Request a limtd scope TR 01 12 14		Summary: Fall 2014 Review: Spr 2015

Other projects			
Name	Contact	Notes*	Meeting
Ancillary Substances	ZS	Final Recommendation: Ancillary Substances (Auxiliary/"other" ingredients) (PDF)	Report/Update? Spr 2014

Potential future projects			
Name	Contact	Notes*	Meeting
BPA prohibition	ZS	Submitted briefing paper to NOP 01 12 14	Discussion doc TBD

* **Highlight** indicates committee action needed.

Agenda

- Approve notes from December 17, 2013
- Discuss Tetrasodium pyrophosphate (TSPP) notes for TR request
- Microorganisms – discuss checklist
- Cyclohexylamine - determine need for TR
- Diethylaminoethanol - determine need for TR
- Octadecylamine - determine need for TR
- L-Malic acid - determine need for TR
- Sodium acid pyrophosphate - determine need for TR
- Other business
- Adjourn

Discussion

- Notes from December 17, 2013 approved with two minor corrections to the sections on egg white lysozyme and tetrasodium pyrophosphate.
- Tetrasodium pyrophosphate (TSPP). The lead reviewer indicated that the prior TAP review was helpful. The group decided on the last call to request a limited scope TR and proceeded to discuss questions to include in the request. Questions may include alternatives and availability of such alternatives, as well as alternative processing methods. Due to proprietary information the group proposed asking for a list of items for which TSPP is used, acknowledging that this might be difficult to obtain. ZS will compile questions and circulate them to the group.
- Microorganisms – discuss checklist. The group deferred this conversation as they have not yet received the TR.
- Cyclohexylamine /Diethylaminoethanol. The lead reviewer suggested the group request a limited scope TR for both substances, and the group discussed the potential of asking for one TR for all

three of the boiler chemicals (cyclohexylamine, diethylaminoethanol, and octadecylamine). After discussing this, the group came to the conclusion that the information they are seeking about the need for these substances and environmental concerns would best be provided via public comment and not a technical review. HA offered to reach out to stakeholders to ask specific questions. The HS Chair asked that JT send him possible questions for a TR before making the final determination.

- Octadecylamine. The NOP circulated a background document on boiler chemicals prior to the call. A member noted that there was public comment about boiler chemicals during the fall 2009 meeting and requested that the NOP locate the transcript and send them to the members. Another member noted there was testimony from an expert (a boiler maintenance company) at the initial March 2001 meeting who testified that delisting boiler chemicals would put smaller handlers at a disadvantage because they would have to retrofit. Another member suggested that they contact a former NOSB member, Kim Dietz, who provided comments at the first sunset review, in fall 2009. The HS will compile a list of questions to include in the documents when they are posted for public comment.
- L-Malic acid. The 2003 TAP review is not very detailed but since this is a naturally occurring substance listed on 605(a) the lead reviewer doesn't feel there is any new information that would change the status of this material. The HS will likely not request a TR for this substance. A member asked if L-Malic acid might have ancillary substances and suggested that the group look at spec sheets to determine if it does first. ZS will research this and let the members know on the next call.
- Sodium acid pyrophosphate (JD) - determine need for TR. 2010 TR looks sufficient and very detailed.
- Other business.
 - The NOP noted that the memo on ancillary substances is completed and is under legal review at USDA.
 - A member noted that some of the final recommendations are linked on the website and some are not, and asked if the NOP could rectify this. MA will find out which ones and get the links fixed.
 - MA added the fall 2013 proposals and discussion documents to the table above, as a means to keep track of the work that will for forward to the spring 2014 meeting.
- Meeting was adjourned

Future Call Schedule:

December 17, 2013 1:00 ET

Discuss prohibiting BPA idea
Egg white lysozyme - determine need for TR
Activated charcoal - determine need for TR
Peracetic acid - determine need for TR
Tetrasodium pyrophosphate - determine need for TR

January 7, 2014 1:00 ET

Discuss Tetrasodium pyrophosphate (TSPP) notes for TR request
Microorganisms – discuss checklist - deferred (waiting for TR)
Cyclohexylamine - determine need for TR
Diethylaminoethanol - determine need for TR
Octadecylamine - determine need for TR
L-Malic acid - determine need for TR
Sodium acid pyrophosphate - determine need for TR

January 21, 2014 1:00 ET

- Marsala/Sherry - Determine possible additional questions for posting
- Ammonium Hydroxide and Glycerin proposals - Determine if revisions are needed for?
- Update on ancillary substances (NOP)
- Review 2016 sunset materials TR requests (TSPP, 3 boiler chems, L-Malic acid – review spec sheet on ancillary substances?)
- Review list of 2017 Sunsets
- Finalize the draft agenda for San Antonio and revisit prep. Assign presenters.
- Discuss BPA document

February 4, 2014 1:00 ET

- Training in DC

February 18, 2014 1:00 ET

- Microorganisms – discuss checklist if TR is available

March 4, 2014 1:00 ET

March 18, 2014 1:00 ET

April 1, 2014 1:00 ET

April 15, 2014 1:00 ET

Spring 2014 Milestones	Target date
Subcommittee requests technical reports for Sunset 2016 substances	Jan 15, 2014
NOSB Training meeting	Feb 4 - 5, 2014
NOP – Complete tentative agenda	Feb 7, 2014
Spring 2014 proposals due to NOP	Feb 26, 2014
NOP - Post proposals, Publish FRN, Open public comment	Mar 10, 2014
Subcommittees submit tentative workplans to NOP	Mar 12, 2014
Discuss workplans on ES call	Mar 14, 2014
NOP provides written comments on workplans to NOSB	Mar 28, 2014
Public comment closes	Apr 8, 2014
Workplans finalized on ES call	Apr 11, 2014
NOP - Send compiled public comments to NOSB	Apr 14, 2014
Spring 2014 NOSB Meeting – San Antonio, TX	~Apr 28- May 1, 2014

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Absent: none

Staff: Michelle Arsenault (MA), Emily Brown Rosen (EBR)

Work Plan

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gibberellic acid Petition Addendum	Add to 205.605	ZS, TF	Yes	Petition sent to HS 07 27 12. Petition suff response due 09 27 12. Sent back to petitioner for additional questions 01 09 13. Rcvd response 04 16 13. On hold until post- harvest handling draft guidance is published.		Fall 2014
Whole algal flour Petition Addendum #1	205.606	HA		Petition sent to HS on 09 30 13. Petition suff (including TR Request, if applicable) due 11 29 13. Petition found insufficient. Sent addit'l Q's to petitioner. Pet. addendum sent to HS 01 22 14. Sufficiency due 02 25 14		TBD
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Glycerin CAS #(56-81-5)	Remove from 205.605(b)	TF	1995 TR 2013 TR	Petition sent to HS on 01 09 13. Sufficiency response due 03 11 13. TR sent to HS on 06 11 13. Sufficiency due 08 12 13. TR found suff 07 02 13	Voted 08 20 13	Proposal Spr 2014

Petitioned Substances

Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
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2015 Sunsets § 205.605(a) and 205.606

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Marsala	205.606(g)	TF	No	2008 Recommendation 2010 FR notice TF will craft some possible questions for Spr 2014 meeting.		Summary: Spr 2014 Review: Fall 2014
Sherry	205.606(g)	TF	No	2008 Recommendation 2010 FR notice TF will craft some possible questions for Spr 2014 meeting.		Summary: Spr 2014 Review: Fall 2014
Tragacanth CAS # 9000-65-1	205.606(x)	JD	No	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014

2016 Sunsets § 205.605(a) and 205.606

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Microorganisms	205.605	ZS	Y 2003 TAP	Final Sunset Recommendation on Microorganisms on 205.605b (PDF) Nov 2009. TR requested by NOP Aug 26 2013. TR sent to HS 01 23 14. TR suff due 03 25 14	Summary: Fall 2014 Review: Spr 2015
Activated charcoal CAS #s 7440-44-0; 64365-11-3	205.605(b)	HA	No new TR 2002 TAP	Final Sunset Recommendation on Activated Charcoal on 205.605b (PDF) Nov 2009	Summary: Fall 2014 Review: Spr 2015
Peracetic acid CAS # 79-21-0	205.605(b))	JFo	No new TR 2000 TAP	Final Sunset Recommendation on Peracetic Acid on 205.605b (PDF) Oct 2009	Summary: Fall 2014 Review: Spr 2015
Cyclohexylamine CAS # 108 -91-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Cyclohexylamine on 205.605b (PDF) Nov 2009. TR determination: 01 17 14	Summary: Fall 2014 Review: Spr 2015
Diethylaminoethanol CAS # 100-37-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Dethylaminoethanol on 205.605b (PDF) Nov 2009. TR determination: 01 17 14	Summary: Fall 2014 Review: Spr 2015
Octadecylamine CAs # 124-30-1	205.605(b)	TF	2001 TAP No new TR request	Final Sunset Recommendation on Octadecylamine on 205.605b (PDF) Nov. 2009.	Summary: Fall 2014 Review: Spr 2015
L-Malic acid CAS # 97 -67-6).	205.605(a)	JD	2003 TAP No new TR	Final Sunset Recommendation on L-Malic Acid on 205.605b (PDF) Nov 2009. TR determination: 01 17 14	Summary: Fall 2014 Review: Spr 2015

Sodium acid pyrophosphate CAS # 7758-16-9 2009 Expanded use	205.605(b)	JD	2001 TAP 2010 TR No New TR	Apr 2011 Subcomm recommendation April 2011 NOSB recommendation Final Sunset Recommendation on SAPP on 205.605b (PDF) Nov 2009	Summary: Fall 2014 Review: Spr 2015
Tetrasodium pyrophosphate (TSPP) CAS # 7722-88-5	205.605(b)	ZS	Y 2002 TR	Final Sunset Recommendation on TSPP on 205.605b (PDF) Nov 2009. Requested a limtd scope TR 01 12 14	Summary: Fall 2014 Review: Spr 2015

2017 Sunsets § 205.605(a) and 205.606

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Yeast (2006) (PDF) Petition Supplement (2010) (PDF) Petition Memorandum (2010) (PDF)	205.605		Y	NOP 5014 – Certification of Organic Yeast (PDF) TAP – Yeast, Autolysate, 1995 TAP – Yeast, Bakers, 1995 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 NOSB Formal Rec (2010) NOSB Committee Rec (2010) NOSB Committee Rec (2007) 2014 TR sent to HS 01 22 14. TR sufficiency due July 15, 2014		

Carnauba Wax	205.605			TAP for Fruit Waxes, 1996 (PDF) 2014 TR sent to HS 01 24 14. TR sufficiency due July 15, 2014		
Orange Shellac	205.606			TAP, 2002 (PDF) 2014 TR sent to HS 01 27 14. TR sufficiency due July 15, 2014		

Other projects

Name	Contact	Notes*	Meeting
Ancillary Substances	ZS	Final Recommendation: Ancillary Substances (Auxiliary/"other" ingredients) (PDF)	Brief Update Spr 2014

Potential future projects

Name	Contact	Notes*	Meeting
BPA prohibition	ZS	Submitted briefing paper to NOP 01 12 14. Waiting for feedback	Discussion doc TBD

* **Highlight** indicates committee action needed.

Agenda

- Approve notes from January 7, 2014
- Marsala/Sherry - Determine possible additional questions for posting
- Ammonium Hydroxide and Glycerin proposals - Determine if revisions are needed. Addition of questions?
- Update on ancillary substances (NOP)
- Review 2016 sunset materials TR requests
- Review list of 2017 Sunsets
- Finalize the draft agenda for San Antonio and revisit prep. Assign presenters.
- Discuss BPA document
- Other business
- Adjourn

Discussion

- Notes from January 7, 2014 approved with no changes
- **Marsala/Sherry** - The group discussed the addition of questions and the vehicle by which to get those posted with the Sunset documents. TF will craft some questions for inclusion and send them to the NOP prior to the deadline of Feb 26th.
- **Ammonium Hydroxide and Glycerin proposals** - Determine if revisions or additional questions are needed
 - **Glycerin** - The lead reviewer feels that no changes are necessary and will submit the proposal as is. Glycerin is used as a topical treat dip, but is also a carrier for flavors. The group discussed the feedback from the public comment; the majority of which was in support of delisting. The group also discussed the use for flavors but feels that this has already been addressed in the regulations and is not an issue. A member also asked about ancillary substances with regard to glycerin which will be addressed at a later date.
 - **Ammonium Hydroxide** - The lead reviewer suggested leaving the proposal as is and not making revisions. She added that based on feedback from the community, Ammonium Hydroxide is not a suitable alternative for other substances already on the list and there is a considerable movement away from use of boiler additives. Instead people are putting money into upgraded equipment. After reviewing the past public comments and discussing this further, the group felt that information about the current use and need for this material would be helpful and chose to compile some questions to post for public comment. JR will add these questions and recirculate the document. In addition to the questions about need, the HS will also add some language about reassessing the need for this petition in light of the upcoming sunset for the following 3 boiler chemicals: Cyclohexylamine, Diethylaminoethanol and Octadecylamine
- **Update on ancillary substances (NOP)**. EBR informed the group that this document is currently undergoing clearance within the USDA. The hope is that it will be issued before the February NOSB training. The group discussed the possibility of providing a brief verbal update at the spring 2014 meeting.
- **Microorganisms** - The TR should be ready soon.
- **2016 sunset materials TR requests**
 - TSPP – The HS requested a limited scope TR
 - Boiler chemicals: Cyclohexylamine, Diethylaminoethanol and Octadecylamine - The Chair noted that they are not requesting TRs and will instead pose questions to the community and stakeholders instead. Members felt that the questions they need answered could not be answered by a technical Report.
 - L-Malic acid – The HS is not requesting a new TR.
- **2017 Sunsets** - The NOP is working on the list yet, and will forward it to the HS soon.
- **Finalize the draft agenda for San Antonio** and revisit prep. Assign presenters. Deferred to next call
- **BPA document** - The document was been submitted to the NOP for consideration, and the HS will wait for feedback before bringing it to the Executive Subcommittee for addition to the workplan.
- **Tragacanth and Gellan gum**. There are no changes to these two proposals and they will be presented as they were for the fall 2013 meeting.
- **Other business** -
 - The NOP noted that the FR notice about final guidance on unpackaged products was published, but the Insider Notice was delayed because the government was closed due to

weather. A member thought the guidance was helpful, and noted that it might make things more difficult for those not certified to stay uncertified.

- A member asked when the other boiler additives would be reviewed. According to the new sunset timeline, a summary will be posted for fall 2014 and the NOSB will review them in the spring of 2015
- The meeting was adjourned

Future Call Schedule:

January 7, 2014 1:00 ET

- Discuss Tetrasodium pyrophosphate (TSPP) notes for TR request
- Microorganisms – discuss checklist - deferred (waiting for TR)
- Cyclohexylamine - determine need for TR
- Diethylaminoethanol - determine need for TR
- Octadecylamine - determine need for TR
- L-Malic acid - determine need for TR
- Sodium acid pyrophosphate - determine need for TR

January 21, 2014 1:00 ET

- Marsala/Sherry - Determine possible additional questions for posting
- Ammonium Hydroxide and Glycerin proposals - Determine if revisions are needed for? Addition of questions?
- Update on ancillary substances (NOP)
- Review 2016 sunset materials TR requests - done
- Review list of 2017 Sunsets-deferred to next call (waiting for list from NOP)
- Finalize the draft agenda for San Antonio and revisit prep. Assign presenters.
- Discuss BPA document

February 4, 2014 1:00 ET

Training in DC

February 18, 2014 1:00 ET

- Microorganisms – discuss checklist TR received 01 23 14
- Marsala/Sherry –Discuss addition questions
- Ammonium Hydroxide – discuss additional questions
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- Whole Algal Flour - Petition Sufficiency due 02 25 14

March 4, 2014 1:00 ET

March 18, 2014 1:00 ET

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April 15, 2014 1:00 ET

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L-Malic acid CAS # 97 -67-6).	205.605(a)	JD	2003 TAP No new TR	Final Sunset Recommendation on L-Malic Acid on 205.605b (PDF) Nov 2009. TR determination: 01 17 14		Summary: Fall 2014 Review: Spr 2015
Sodium acid pyrophosphate CAS # 7758-16-9 2009 Expanded use	205.605(b)	JD	2001 TAP 2010 TR No New TR	Apr 2011 Subcomm recommendation April 2011 NOSB recommendation Final Sunset Recommendation on SAPP on 205.605b (PDF) Nov 2009		Summary: Fall 2014 Review: Spr 2015

Tetrasodium pyrophosphate (TSPP) CAS # 7722-88-5	205.605(b)	ZS	Y 2002 TR	Final Sunset Recommendation on TSPP on 205.605b (PDF) Nov 2009. Requested a limtd scope TR 01 12 14	Summary: Fall 2014 Review: Spr 2015
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2017 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP July 2014)

Name	National List §	Con tact	TR rqst?	Notes*	Vote	Meeting
Yeast (2006) (PDF) Petition Supplement (2010) (PDF) Petition Memorandum (2010) (PDF)	205.605		Y	NOP 5014 – Certification of Organic Yeast (PDF) TAP – Yeast, Autolysate, 1995 TAP – Yeast, Bakers, 1995 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 NOSB Formal Rec (2010) NOSB Committee Rec (2010) NOSB Committee Rec (2007) 2014 TR sent to HS 01 22 14. TR sufficiency due July 15, 2014		Summary: Spr 2015 Review: Fall 2015
Carnauba Wax	205.605			TAP for Fruit Waxes, 1996 (PDF) 2014 TR sent to HS 01 24 14. TR sufficiency due July 15, 2014		Summary: Spr 2015 Review: Fall 2015
Orange Shellac	205.606			TAP, 2002 (PDF) 2014 TR sent to HS 01 27 14. TR sufficiency due July 15, 2014		Summary: Spr 2015 Review: Fall 2015

Other projects			
Name	Contact	Notes*	Meeting
Ancillary Substances	ZS	Final Recommendation: Ancillary Substances (Auxiliary/"other" ingredients) (PDF)	Brief Update Spr 2014

Potential future projects			
Name	Contact	Notes*	Meeting
BPA prohibition	ZS	Submitted briefing paper to NOP 01 12 14. Waiting for feedback	Discussion doc TBD

* **Highlight** indicates committee action needed.

Agenda

- Approve notes from January 21, 2014
- Microorganisms - discuss checklist TR received 01 23 14
- Ancillary Substances - discuss NOP memo
- Marsala/Sherry - Discuss additional questions
- Ammonium Hydroxide - discuss additional questions
- Finalize the draft agenda for San Antonio and revisit prep. Assign presenters.
- Whole Algal Flour - Petition Sufficiency due 02 25 14
- Review list of 2017 Sunsets
- Adjourn

Discussion

- Notes from January 21, 2014 approved with no changes
- **Microorganisms** - The members discussed the TR but did not determine sufficiency yet, as there are some outstanding questions. The principle reviewer noted that the TR was comprehensive but wanted to continue evaluating and discussing it in light of the ancillary substances process. Microorganisms are the substance being used as a trial for the ancillary substances review. The group discussed the complexity of undertaking the ancillary substance reviews and discussed the best path forward. The NOP suggested identifying the materials that might be more complicated so the Board can seek more information about them. EBR and ZS will talk offline about the TR and what information might be helpful to have included. Additionally, they discussed reviewing the National List and reviewing the referenced spec sheets for the materials. The NOP let the HS members know that they are developing a form to use for the ancillary substance review and will share it with the members so they can provide feedback. The discussion will continue on the March 4 call
- **Ancillary Substances** - The group continued the discussion about the process for reviewing ancillary substances in light of the new sunset process. It is still not entirely clear how this will proceed. A

member asked if ancillary substances will be reviewed beginning with the 2015 sunset materials, or if it will commence with the 2016 substances. The principle reviewer for Sherry and Marsala (two of the four 2015 Sunset materials) indicated that these two substances likely didn't contain ancillary substances and so it would not be relevant. A member asked about the possibility of organizing a phone call to discuss the components of the ancillary substances review process.

- **Marsala/Sherry** – The members discussed the addition of the following questions to the Sunset list that will be posted for public comment.
 - Given that we've been unable to reach the original petitioner on both of these materials, is it still necessary to have them on the list?
 - Have you attempted to locate organic sources of Sherry and Marsala?
 - Are there other flavor profiles that could be used in place of either of these materials?

The group also discussed the addition of sulfites to Marsala and Sherry, and may ask a question in the posted review docs about whether or not they are added. The Subcommittee is recommending delisting since there appears to be no need for these materials, and there was no request in the last set of comments (fall 2013) to keep them on the list. The HS Chair asked that the Subcommittee members provide any additional feedback* via email by Friday Feb 21.

*Following the HS call, members refined the questions that will be included with the review documents posted for public comment. Additionally the principal reviewer determined from re-review of the supporting documents that sulfites are not added to Sherry or Marsala.

- **Ammonium Hydroxide** - Members discussed the revisions and additional questions in the version of the checklist that was circulated on January 28, many of which were suggested by the other Subcommittee members. They then proceeded to a vote on this material.

VOTE Ammonium Hydroxide

Motion to accept the modifications to the Ammonium Hydroxide proposal as presented on January 28.

Motion by: JR

Seconded by: JFo

Y: 7 N: 0 Absent: 1 Abstain: 0 Recuse: 0

Motion carries

- **Finalize the draft agenda** for San Antonio. The Chair verified that each of the lead reviewers will present their respective materials, including the sunset materials, at the spring 2014 NOSB meeting. The members also discussed the presentation of the public comment, recommending and agreeing that the fall 2013 and spring 2014 comments remain distinct from each other.
- **Whole Algal Flour** – The group discussed the petition, which contained a large amount of Confidential Business Information (CBI) and as such, was heavily redacted. Several members felt that they could not determine petition sufficiency because of this and discussed the path forward. One member suggested rejecting the petition as insufficient and sending it back to the petitioner to see if they could find a way to disclose some of the information without revealing specific information. The members discussed accepting the petition as is, and requesting a TR, but ultimately determined that a TR would not provide them with the necessary information. The NOP suggested moving ahead with the checklist and proposal, since the petition is technically “complete” by NOP/NOSB standards, despite the parts designated as CBI. The HS Chair will send proposed language to the National List manager indicating the decision.

- 2017 Sunsets - Discussion deferred for lack of time.
- The meeting was adjourned

Future Call Schedule:

January 21, 2014 1:00 ET

Marsala/Sherry - Determine possible additional questions for posting
 Ammonium Hydroxide and Glycerin proposals - Determine if revisions are needed for? Addition of questions?
 Update on ancillary substances (NOP)
 Review 2016 sunset materials TR requests - done
 Review list of 2017 Sunsets-deferred to next call (waiting for list from NOP)
 Finalize the draft agenda for San Antonio and revisit prep. Assign presenters.
 Discuss BPA document

February 4, 2014 1:00 ET

Training in DC

February 18, 2014 1:00 ET

Microorganisms - discuss checklist
 Marsala/Sherry - discuss additional questions
 Ammonium Hydroxide - discuss additional questions
 Finalize the draft agenda for San Antonio and revisit prep. Assign presenters.
 Review list of 2017 Sunsets
 Whole Algal Flour - Petition Sufficiency due 02 25 14

March 4, 2014 1:00 ET

Microorganisms/Ancillary ingredients - continue discussion TR sufficiency due by March 25th.
 Review list of 2017 Sunsets and TR determinations
 Finalize details for San Antonio re public comment
 Sunset 2016 Materials Review
 Update on BPA workplan item (NOP)
 Review final guidance on unpackaged products.
 Post Harvest Handling guidance update (NOP)
 Review various templates and worksheets (such as sunset)

March 18, 2014 1:00 ET

April 1, 2014 1:00 ET

April 15, 2014 1:00 ET

Spring 2014 Milestones	Target date
Subcommittee requests technical reports for Sunset 2016 substances	Jan 15, 2014
NOSB Training meeting	Feb 4 - 5, 2014
NOP – Complete tentative agenda	Feb 7, 2014
Spring 2014 proposals due to NOP	Feb 26, 2014

NOP - Post proposals, Publish FRN, Open public comment	Mar 10, 2014
Subcommittees submit tentative workplans to NOP	Mar 12, 2014
Discuss workplans on ES call	Mar 14, 2014
NOP provides written comments on workplans to NOSB	Mar 28, 2014
Public comment closes	Apr 8, 2014
Workplans finalized on ES call	Apr 11, 2014
NOP - Send compiled public comments to NOSB	Apr 14, 2014
Spring 2014 NOSB Meeting – San Antonio, TX	~Apr 28- May 1, 2014

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy or regulations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

**National Organic Standards Board (NOSB)
Handling Subcommittee (HS) Meeting Notes
Tuesday, March 4, 2014 1:00 pm ET**

Present: Harold Austin, Chair (HA), John Foster, Vice Chair (JFo), Tracy Favre (TF), Zea Sonnabend (ZS), Jean Richardson (JR), Jennifer Taylor (JT), Joe Dickson (JD), Jay Feldman (JFe) - sitting in

Absent: Mac Stone (MS) - volunteer

Staff: Michelle Arsenault (MA), Emily Brown Rosen (EBR)

Work Plan

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gibberellic acid Petition Addendum	Add to 205.605	ZS, TF	Yes	Petition sent to HS 07 27 12. Petition suff response due 09 27 12. Sent back to petitioner for additional questions 01 09 13. Rcvd response 04 16 13. On hold until post- harvest handling draft guidance is published.		Fall 2014
Whole algal flour Petition Addendum #1	205.606	HA		Petition sent to HS on 09 30 13. Petition suff (including TR Request, if applicable) due 11 29 13. Petition found insufficient. Sent addit'l Q's to petitioner. Pet. addendum sent to HS 01 22 14. Sufficiency due 02 25 14. Petition found "complete" 02 18 14		Fall 2014?
2012 Ammonium hydroxide (boiler water additive)	Add to 205.605	JR	No 2001 TAP	2000 petition. 2001 Recommendation. 2001 Background Paper. 2012 Petition sent to HS 11 06 12. Petition Sufficiency Response Due Date: 01 27 13. Petition found sufficient 12 18 12. No TR requested. Original proposal revised for spring 2014 meeting	Voted 02 19 13 Voted on revised Prop 02 18 14	Proposal Spr 2014
Glycerin CAS #(56-81-5)	Remove from 205.605(b)	TF	1995 TR 2013 TR	Petition sent to HS on 01 09 13. Sufficiency response due 03 11 13. TR sent to HS on 06 11 13. Sufficiency due 08 12 13. TR found suff 07 02 13	Voted 08 20 13	Proposal Spr 2014

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Polyalkylene glycol monobutyl ether PGME (PDF) (CAS # 9038-95-3) As a boiler water additive	205.605	JR	2013 TR	Petition sent to MS/HS 01 28 13. TR Requested 2 19 2013. Draft TR sent to HS 06 11 13. TR sufficiency response due 08 12 13. TR found sufficient 07 02 13. Discussion doc.	Voted 08 20 13	Disc doc Spr 2014
Triethyl Citrate (PDF)	205.605			Petition sent to HS 03 04 14. Rqst for Q's or TR due 05 06 14		TBD

2015 Sunsets § 205.605(a) and 205.606						
Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gellan gum CAS # 71010-52-1	205.605(a)	JD	Y	2006 TR , 2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Marsala	205.606(g)	TF	No	2008 Recommendation 2010 FR notice	Added Q's for posting 02 18 14	Summary: Spr 2014 Review: Fall 2014
Sherry	205.606(g)	TF	No	2008 Recommendation 2010 FR notice	Added Q's for posting 02 18 14	Summary: Spr 2014 Review: Fall 2014
Tragacanth CAS # 9000-65-1	205.606(x)	JD	No	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014

2016 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP Jan 2014)						
Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Egg white lysozyme CAS # 9001-63-2	205.605(a)	TF	No new TR 2011 TR 2003 TAP	Final Sunset Recommendation on Egg White Lysozyme on 205.605b (PDF) Nov 2009.		Summary: Fall 2014 Review: Spr 2015

Microorganisms	205.605	ZS	Y 2003 TAP	Final Sunset Recommendation on Microorganisms on 205.605b (PDF) Nov 2009. TR requested by NOP Aug 26 2013. TR sent to HS 01 23 14. TR suff due 03 25 14. TR found not sufficient		Summary: Fall 2014 Review: Spr 2015
Activated charcoal CAS #s 7440-44-0; 64365-11-3	205.605(b)	HA	No new TR 2002 TAP	Final Sunset Recommendation on Activated Charcoal on 205.605b (PDF) Nov 2009		Summary: Fall 2014 Review: Spr 2015
Peracetic acid CAS # 79-21-0	205.605(b))	JFo	No new TR 2000 TAP	Final Sunset Recommendation on Peracetic Acid on 205.605b (PDF) Oct 2009		Summary: Fall 2014 Review: Spr 2015
Cyclohexylamine CAS # 108 -91-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Cyclohexylamine on 205.605b (PDF) Nov 2009. TR determination: 01 17 14		Summary: Fall 2014 Review: Spr 2015
Diethylaminoethanol CAS # 100-37-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Dethylaminoethanol on 205.605b (PDF) Nov 2009. TR determination: 01 17 14		Summary: Fall 2014 Review: Spr 2015
Octadecylamine CAs # 124-30-1	205.605(b)	TF	2001 TAP No new TR request	Final Sunset Recommendation on Octadecylamine on 205.605b (PDF) Nov. 2009.		Summary: Fall 2014 Review: Spr 2015
L-Malic acid CAS # 97 -67-6).	205.605(a)	JD	2003 TAP No new TR	Final Sunset Recommendation on L-Malic Acid on 205.605b (PDF) Nov 2009. TR determination: 01 17 14		Summary: Fall 2014 Review: Spr 2015

Sodium acid pyrophosphate CAS # 7758-16-9 2009 Expanded use	205.605(b)	JD	2001 TAP 2010 TR No New TR	Apr 2011 Subcomm recommendation April 2011 NOSB recommendation Final Sunset Recommendation on SAPP on 205.605b (PDF) Nov 2009		Summary: Fall 2014 Review: Spr 2015
Tetrasodium pyrophosphate (TSPP) CAS # 7722-88-5	205.605(b)	ZS	Y 2002 TR	Final Sunset Recommendation on TSPP on 205.605b (PDF) Nov 2009. Requested a limtd scope TR 01 12 14		Summary: Fall 2014 Review: Spr 2015

2017 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP July 2014)

Name	National List §	Con tact	TR rqst?	Notes*	Vote	Meeting
Yeast (2006) (PDF) Petition Supplement (2010) (PDF) Petition Memorandum (2010) (PDF)	205.605		Y	NOP 5014 – Certification of Organic Yeast (PDF) TAP – Yeast, Autolysate, 1995 TAP – Yeast, Bakers, 1995 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 NOSB Formal Rec (2010) NOSB Committee Rec (2010) NOSB Committee Rec (2007) 2014 TR sent to HS 01 22 14. TR sufficiency due July 15, 2014		Summary: Spr 2015 Review: Fall 2015
Carnauba Wax	205.605			TAP for Fruit Waxes, 1996 (PDF) 2014 TR sent to HS 01 24 14. TR sufficiency due July 15, 2014		Summary: Spr 2015 Review: Fall 2015

Orange Shellac	205.606			TAP, 2002 (PDF) 2014 TR sent to HS 01 27 14. TR sufficiency due July 15, 2014		Summary: Spr 2015 Review: Fall 2015
Wood rosin	205.606			TR sent to HS on 01 24 14. Sufficiency due July 2014		

Other projects			
Name	Contact	Notes*	Meeting
Ancillary Substances	ZS	Final Recommendation: Ancillary Substances (Auxiliary/"other" ingredients) (PDF)	Brief Update Spr 2014

Potential future projects			
Name	Contact	Notes*	Meeting
BPA prohibition	ZS	Submitted briefing paper to NOP 01 12 14. Waiting for feedback	Discussion doc TBD

* **Highlight** indicates committee action needed.

Agenda

- Approve notes from February 18, 2014
- Finalize details for San Antonio Meeting
- Microorganisms/Ancillary ingredients - continue the discussion, TR sufficiency due by March 25th. (Update on form to use for ancillary substances from NOP)
- Sunset 2016 Materials Review and discussion about next steps
- Sunset 2017 Materials and TR determination discussion - (NOP input?)
- Discuss templates and worksheets (such as Sunset template)
- Fall Agenda Items for the summer/fall work plan
- Additional items
 - Update on BPA, work plan item (NOP)
 - Post Harvest Handling guidance update (NOP)
 - Review final guidance on unpackaged products
- Adjourn

Discussion

- Notes from February 18, 2014 approved with no changes
- **San Antonio Meeting** - The HS Chair asked that the Subcommittee members review the fall 2013 comments in preparation for the spring meeting. , Presenters are listed in chart above.

- **Microorganisms/Ancillary ingredients.** The NOP is working on a template for the ancillary substance reviews. The principle reviewer indicated that the HS found the TR insufficient and the group discussed the best path forward. The contract is already completed for this TR, so any new information would need to be requested as a supplement. The NOP and the National List Manager suggested compiling a list of targeted questions for a supplemental TR. If the questions are very extensive, it might be best to put this forth as a discussion document as opposed to a proposal. Since Microorganisms is being used as the model for future ancillary substance reviews, the NOP is interested in exploring all the possible paths to set a precedent for future reviews. ZS will draft a list of questions for the group to discuss on next call. One issue is the lack of review of fungal organisms, such as *Aspergillus* (soy sauce, miso), *Rhizopus* (tempeh), and possibly others. A member noted that if they need more time the Subcommittee could add another call before deadline of March 25th.
- **Sunset 2016 Materials Review.** The Subcommittee already determined the need for two TRs only for the sunset 2016 materials, which are in development. The next steps are to compile questions to include in the fall 2014 posting. The NOP suggested that the group use the checklist as a tool to complete their review, but it is not required. It could be included as a link to the posting if wanted and needed. The group discussed the idea of a revised, shortened checklist but the NOP would prefer to not create another form. The HS Chair asked that the assigned reviewers begin the review process.
- **Sunset 2017 Materials and TR determination.** The HS Chair noted that there are 105 Sunset materials and would like to discuss further how to assign them and to whom.
- **Templates and worksheets.** The NOP indicated that they are working on a template for ancillary substances. The group discussed the possibility of revising the materials review checklists to better align with the TR format, to facilitate the review process. The NOP will discuss this offline and determine if this could be completed prior to the next semester of proposal reviews. EBR will ask LB and MA about the ETA. MA will maintain a separate list for the 2017 sunsets, as the notes are getting very long. Members discussed how best to group the Handling materials for review and one member noted that for past sunset reviews, materials were reviewed in functional groups for convenience and efficiency. For example, acids were grouped together, as well as; colors, phosphates, gases, filtering agents, gums, etc. Approaching it this way will optimize resources and be more efficient. A member noted that many of the same materials are on both Livestock and Handling Sunset lists, and it would be logical for one person to review both. The HS Chair asked that members look at the sunset list and come prepared to volunteer for materials for which they have expertise or a working knowledge. The group will assign lead reviewers during the March 18 call.
- **Fall Agenda Items – workplan 2016, 2017** - deferred to March 18
- **Additional items**
 - Update on BPA, work plan item (NOP) - The NOP did not have an update at this time, but noted that they will discuss it and let the Chair and the lead reviewer know prior to the Executive call on March 14 about adding this to the workplan
 - **Post Harvest Handling guidance update (NOP)** - deferred to March 18
 - **Discuss final guidance on unpackaged products** - deferred to March 18
- **The meeting was adjourned**

Future Call Schedule:

February 18, 2014 1:00 ET

Microorganisms - discuss checklist
 Marsala/Sherry - discuss additional questions
 Ammonium Hydroxide - discuss additional questions
 Finalize the draft agenda for San Antonio and revisit prep. Assign presenters.
 Review list of 2017 Sunsets
 Whole Algal Flour - Petition Sufficiency due 02 25 14

March 4, 2014 1:00 ET

Microorganisms/Ancillary ingredients - continue discussion TR sufficiency due by March 25th.
 Review list of 2017 Sunsets and TR determinations
 Finalize details for San Antonio re: public comment
 Sunset 2016 Materials Review
 Update on BPA workplan item (NOP)
 Review final guidance on unpackaged products
 Post Harvest Handling guidance update (NOP)
 Review various templates and worksheets (such as sunset)

March 18, 2014 1:00 ET

Discuss questions for supplemental TR for ancillary substances/microorganisms.
[Triethyl Citrate \(PDF\)](#) - assign reviewer
 Sunset 2017 assignments
 Post Harvest Handling guidance update (NOP)
 Review final guidance on unpackaged products
 Fall Agenda Items - workplan 2016, 2017
 Update on BPA workplan item (NOP)

April 1, 2014 1:00 ET

April 15, 2014 1:00 ET

Spring 2014 Milestones	Target date
Subcommittee requests technical reports for Sunset 2016 substances	Jan 15, 2014
NOSB Training meeting	Feb 4 - 5, 2014
NOP – Complete tentative agenda	Feb 7, 2014
Spring 2014 proposals due to NOP	Feb 26, 2014
NOP - Post proposals, Publish FRN, Open public comment	Mar 10, 2014
Subcommittees submit tentative workplans to NOP	Mar 12, 2014
Discuss workplans on ES call	Mar 14, 2014
NOP provides written comments on workplans to NOSB	Mar 28, 2014
Public comment closes	Apr 8, 2014
Workplans finalized on ES call	Apr 11, 2014
NOP - Send compiled public comments to NOSB	Apr 14, 2014
Spring 2014 NOSB Meeting – San Antonio, TX	~Apr 28- May 1, 2014

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy or regulations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

**National Organic Standards Board (NOSB)
Handling Subcommittee (HS) Meeting Notes
Tuesday, March 18 2014 1:00 pm ET**

Present: Harold Austin, Chair (HA), Zea Sonnabend (ZS), Jean Richardson (JR), Jennifer Taylor (JT), Tracy Favre (TF), Joe Dickson (JD), Jay Feldman (JFe) - sitting in, Mac Stone (MS) - volunteer

Absent: John Foster, Vice Chair (JFo)

Staff: Michelle Arsenault (MA), Emily Brown Rosen (EBR)

Work Plan

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gibberellic acid Petition Addendum	Add to 205.605	ZS, TF	Yes	Petition sent to HS 07 27 12. Petition suff response due 09 27 12. Sent back to petitioner for additional questions 01 09 13. Rcvd response 04 16 13. On hold until post- harvest handling draft guidance is published.		Fall 2014
Whole algal flour Petition Addendum #1	205.606	HA		Petition sent to HS on 09 30 13. Petition suff (including TR Request, if applicable) due 11 29 13. Petition found insufficient. Sent addit'l Q's to petitioner. Pet. addendum sent to HS 01 22 14. Sufficiency due 02 25 14. Petition found "complete" 02 18 14		Fall 2014?
2012 Ammonium hydroxide (boiler water additive)	Add to 205.605	JR	No 2001 TAP	2000 petition. 2001 Recommendation. 2001 Background Paper. 2012 Petition sent to HS 11 06 12. Petition Sufficiency Response Due Date: 01 27 13. Petition found sufficient 12 18 12. No TR requested. Original proposal revised for spring 2014 meeting	Voted 02 19 13 Voted on revised Prop 02 18 14	Proposal Spr 2014
Glycerin CAS #(56-81-5)	Remove from 205.605(b)	TF	1995 TR 2013 TR	Petition sent to HS on 01 09 13. Sufficiency response due 03 11 13. TR sent to HS on 06 11 13. Sufficiency due 08 12 13. TR found suff 07 02 13	Voted 08 20 13	Proposal Spr 2014

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
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Triethyl Citrate (PDF)	205.605	JR		Petition sent to HS 03 04 14. Rqst for Q's or TR due 05 06 14		TBD

2015 Sunsets § 205.605(a) and 205.606						
Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gellan gum CAS # 71010-52-1	205.605(a)	JD	Y	2006 TR , 2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Marsala	205.606(g)	TF	No	2008 Recommendation 2010 FR notice	Added Q's for posting 02 18 14	Summary: Spr 2014 Review: Fall 2014
Sherry	205.606(g)	TF	No	2008 Recommendation 2010 FR notice	Added Q's for posting 02 18 14	Summary: Spr 2014 Review: Fall 2014
Tragacanth CAS # 9000-65-1	205.606(x)	JD	No	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014

2016 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP Jan 2014)						
Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Egg white lysozyme CAS # 9001-63-2	205.605(a)	TF	No new TR 2011 TR 2003 TAP	Final Sunset Recommendation on Egg White Lysozyme on 205.605b (PDF) Nov 2009.		Summary: Fall 2014 Review: Spr 2015

Microorganisms	205.605	ZS	Y 2003 TAP	Final Sunset Recommendation on Microorganisms on 205.605b (PDF) Nov 2009. TR requested by NOP Aug 26 2013. TR sent to HS 01 23 14. TR suff due 03 25 14. TR found not sufficient		Summary: Fall 2014 Review: Spr 2015
Activated charcoal CAS #s 7440-44-0; 64365-11-3	205.605(b)	HA	No new TR 2002 TAP	Final Sunset Recommendation on Activated Charcoal on 205.605b (PDF) Nov 2009		Summary: Fall 2014 Review: Spr 2015
Peracetic acid CAS # 79-21-0	205.605(b))	JFo	No new TR 2000 TAP	Final Sunset Recommendation on Peracetic Acid on 205.605b (PDF) Oct 2009		Summary: Fall 2014 Review: Spr 2015
Cyclohexylamine CAS # 108 -91-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Cyclohexylamine on 205.605b (PDF) Nov 2009. TR determination: 01 17 14		Summary: Fall 2014 Review: Spr 2015
Diethylaminoethanol CAS # 100-37-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Dethylaminoethanol on 205.605b (PDF) Nov 2009. TR determination: 01 17 14		Summary: Fall 2014 Review: Spr 2015
Octadecylamine CAs # 124-30-1	205.605(b)	TF	2001 TAP No new TR request	Final Sunset Recommendation on Octadecylamine on 205.605b (PDF) Nov. 2009.		Summary: Fall 2014 Review: Spr 2015
L-Malic acid CAS # 97 -67-6).	205.605(a)	JD	2003 TAP No new TR	Final Sunset Recommendation on L-Malic Acid on 205.605b (PDF) Nov 2009. TR determination: 01 17 14		Summary: Fall 2014 Review: Spr 2015

Sodium acid pyrophosphate CAS # 7758-16-9 2009 Expanded use	205.605(b)	JD	2001 TAP 2010 TR No New TR	Apr 2011 Subcomm recommendation April 2011 NOSB recommendation Final Sunset Recommendation on SAPP on 205.605b (PDF) Nov 2009		Summary: Fall 2014 Review: Spr 2015
Tetrasodium pyrophosphate (TSPP) CAS # 7722-88-5	205.605(b)	ZS	Y 2002 TR	Final Sunset Recommendation on TSPP on 205.605b (PDF) Nov 2009. Requested a limtd scope TR 01 12 14		Summary: Fall 2014 Review: Spr 2015

2017 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP July 2014)

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Yeast (2006) (PDF) Petition Supplement (2010) (PDF) Petition Memorandum (2010) (PDF)	205.605	JFo	Y	NOP 5014 – Certification of Organic Yeast (PDF) TAP – Yeast, Autolysate, 1995 TAP – Yeast, Bakers, 1995 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 NOSB Formal Rec (2010) NOSB Committee Rec (2010) NOSB Committee Rec (2007) 2014 TR sent to HS 01 22 14. TR sufficiency due July 15, 2014		Summary: Spr 2015 Review: Fall 2015
Carnauba Wax	205.605	ZS		TAP for Fruit Waxes, 1996 (PDF) 2014 TR sent to HS 01 24 14. TR sufficiency due July 15, 2014		Summary: Spr 2015 Review: Fall 2015

Orange Shellac	205.606	ZS		TAP, 2002 (PDF) 2014 TR sent to HS 01 27 14. TR sufficiency due July 15, 2014		Summary: Spr 2015 Review: Fall 2015
Wood rosin	205.606	ZS		TR sent to HS on 01 24 14. Sufficiency due July 2014		

Other projects			
Name	Contact	Notes*	Meeting
Ancillary Substances	ZS	Final Recommendation: Ancillary Substances (Auxiliary/"other" ingredients) (PDF)	Brief Update Spr 2014

Potential future projects			
Name	Contact	Notes*	Meeting
BPA prohibition	ZS	Submitted briefing paper to NOP 01 12 14. Waiting for feedback	Discussion doc TBD

* **Highlight** indicates committee action needed.

Agenda

- Approve notes from March 4, 2014
- Discuss Supplemental TR for Ancillary Substances/Microorganisms
- Assign a reviewer to Triethyl Citrate
- Update on BPA (NOP) -
- Assign reviewers to the Sunset 2017 Substances. (Four TR sufficiency reviews are due July 2014 - Yeast, Carnuba wax, Orange Shellac, and Wood Rosin).
- Schedule for next calls (Review public comments)
- Schedule discussion dates for Sunset 2016 Materials Checklists
- Additional items
- Adjourn

Discussion

- **Notes from March 4, 2014** approved with no changes.
- **Discuss Supplemental TR for Ancillary Substances/Microorganisms.** The group prepared and discussed several questions for the supplemental TR including questions about fungi and probiotics. The members also discussed ancillary substances. EBR and ZS will discuss this further to determine if there are materials that should or shouldn't be listed, and will report back on next call. The HS Chair noted that it will be important to include clear information about which ancillary substances

were reviewed and which weren't. This information will help future Boards conduct sunset reviews. The NOP should have the ancillary substance proposal template ready for the next call.

- **Triethyl Citrate.** JR volunteered to review this material. The manufacturer is making the claim that it is a natural flavor but the submitted spec sheets describe synthetic manufacture. The NOP suggested keeping in mind the use for which it is being petitioned (as a whipping agent for egg whites) .
- **Update on BPA (NOP)** - NOP will write a memo to Board asking them to move forward with their review and proposal.
- **Sunset review:** A member circulated an email to the members suggesting the use of a 'grading system' to determine which sunset materials will need a TR. Support for this idea was mixed: Some members were in support of the general idea, but noted that because the material review process has evolved over the life of the board, categorizing in this way might not be systematic. The HS Chair noted that it might be helpful to use this for some materials. A member noted that the most critical part of the review process will be to ensure they are asking the right questions.
- **Sunset 2017 Substances assignments. Four TR sufficiency reviews are due in July 2014 - Yeast, Carnauba wax, Orange Shellac, and Wood Rosin).** Members discussed the 2017 Sunsets and based on the length of the list and the number of materials, the spreadsheet will be maintained separately until the reviews are underway. The four materials listed here were assigned and are noted in the table above. Assignments were made for all 2017 substances, and decisions regarding the need for TRs are due to the NOP by July 2014.
- **Schedule for next calls.** Agenda items were added to the schedule below, including review of public comments
- **Schedule discussion dates for Sunset 2016 Materials Checklists.** Deferred due to lack of time.
- **The meeting was adjourned**

[Previous HS Notes](#)

Future Call Schedule:

March 4, 2014 1:00 ET

Microorganisms/Ancillary ingredients - continue discussion
Review list of 2017 Sunsets and TR determinations
Finalize details for San Antonio re: public comment
Sunset 2016 Materials Review
Update on BPA workplan item (NOP)
Review final guidance on unpackaged products
Post Harvest Handling guidance update (NOP)
Review various templates and worksheets (such as sunset)

March 18, 2014 1:00 ET

Discuss questions for supplemental TR for ancillary substances/microorganisms.
Triethyl Citrate (PDF) - assign reviewer
Sunset 2017 assignments
Post Harvest Handling guidance update (NOP)
Review final guidance on unpackaged products
Fall Agenda Items - workplan 2016, 2017
Update on BPA workplan item (NOP)

April 1, 2014 1:00 ET

Microorganisms/Ancillary ingredients
 Review Ancillary substance checklist
 Review public comments
 April 15, 2014 1:00 ET
 Review public comments

Spring 2014 Milestones	Target date
Subcommittee requests technical reports for Sunset 2016 substances	Jan 15, 2014
NOSB Training meeting	Feb 4 - 5, 2014
NOP – Complete tentative agenda	Feb 7, 2014
Spring 2014 proposals due to NOP	Feb 26, 2014
NOP - Post proposals, Publish FRN, Open public comment	Mar 10, 2014
Subcommittees submit tentative workplans to NOP	Mar 12, 2014
Discuss workplans on ES call	Mar 14, 2014
NOP provides written comments on workplans to NOSB	Mar 28, 2014
Public comment closes	Apr 8, 2014
Workplans finalized on ES call	Apr 11, 2014
NOP - Send compiled public comments to NOSB	Apr 14, 2014
Spring 2014 NOSB Meeting – San Antonio, TX	~Apr 28- May 1, 2014

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy or regulations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

**National Organic Standards Board (NOSB)
Handling Subcommittee (HS) Meeting Notes
Tuesday, April 1 2014 1:00 pm ET**

Present: Harold Austin, Chair (HA), John Foster, Vice Chair (JFo), Zea Sonnabend (ZS), Jennifer Taylor (JT), Tracy Favre (TF), , Jean Richardson (JR), Jay Feldman (JFe) - sitting in, Mac Stone (MS) - volunteer

Absent: Joe Dickson (JD)

Staff: Michelle Arsenault (MA), Emily Brown Rosen (EBR)

Work Plan

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gibberellic acid Petition Addendum	Add to 205.605	ZS, TF	Yes	Petition sent to HS 07 27 12. Petition suff response due 09 27 12. Sent back to petitioner for additional questions 01 09 13. Rcvd response 04 16 13. On hold until post- harvest handling draft guidance is published.		Fall 2014
Whole algal flour Petition Addendum #1	205.606	HA		Petition sent to HS on 09 30 13. Petition suff (including TR Request, if applicable) due 11 29 13. Petition found insufficient. Sent addit'l Q's to petitioner. Pet. addendum sent to HS 01 22 14. Sufficiency due 02 25 14. Petition found "complete" 02 18 14		Fall 2014?
2012 Ammonium hydroxide (boiler water additive)	Add to 205.605	JR	No 2001 TAP	2000 petition. 2001 Recommendation. 2001 Background Paper. 2012 Petition sent to HS 11 06 12. Petition Sufficiency Response Due Date: 01 27 13. Petition found sufficient 12 18 12. No TR requested. Original proposal revised for spring 2014 meeting	Voted 02 19 13 Voted on revised Prop 02 18 14	Proposal Spr 2014
Glycerin CAS #(56-81-5)	Remove from 205.605(b)	TF	1995 TR 2013 TR	Petition sent to HS on 01 09 13. Sufficiency response due 03 11 13. TR sent to HS on 06 11 13. Sufficiency due 08 12 13. TR found suff 07 02 13	Voted 08 20 13	Proposal Spr 2014

Petitioned Substances

Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Polyalkylene glycol monobutyl ether PGME (PDF) (CAS # 9038-95-3) As a boiler water additive	205.605	JR	2013 TR	Petition sent to MS/HS 01 28 13. TR Requested 2 19 2013. Draft TR sent to HS 06 11 13. TR sufficiency response due 08 12 13. TR found sufficient 07 02 13. Discussion doc.	Voted 08 20 13	Disc doc Spr 2014
Triethyl Citrate (PDF)	205.605	JR		Petition sent to HS 03 04 14. Rqst for Q's or TR due 05 06 14		TBD

2015 Sunsets § 205.605(a) and 205.606

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gellan gum CAS # 71010-52-1	205.605(a)	JD	Y	2006 TR , 2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Marsala	205.606(g)	TF	No	2008 Recommendation 2010 FR notice	Added Q's for posting 02 18 14	Summary: Spr 2014 Review: Fall 2014
Sherry	205.606(g)	TF	No	2008 Recommendation 2010 FR notice	Added Q's for posting 02 18 14	Summary: Spr 2014 Review: Fall 2014
Tragacanth CAS # 9000-65-1	205.606(x)	JD	No	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014

2016 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP Jan 2014)

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Egg white lysozyme CAS # 9001-63-2	205.605(a)	TF	No new TR 2011 TR 2003 TAP	Final Sunset Recommendation on Egg White Lysozyme on 205.605b (PDF) Nov 2009.		Summary: Fall 2014 Review: Spr 2015

Microorganisms	205.605	ZS	Y 2003 TAP	Final Sunset Recommendation on Microorganisms on 205.605b (PDF) Nov 2009. TR requested by NOP Aug 26 2013. TR sent to HS 01 23 14. TR suff due 03 25 14. TR found not sufficient		Summary: Fall 2014 Review: Spr 2015
Activated charcoal CAS #s 7440-44-0; 64365-11-3	205.605(b)	HA	No new TR 2002 TAP	Final Sunset Recommendation on Activated Charcoal on 205.605b (PDF) Nov 2009		Summary: Fall 2014 Review: Spr 2015
Peracetic acid CAS # 79-21-0	205.605(b))	JFo	No new TR 2000 TAP	Final Sunset Recommendation on Peracetic Acid on 205.605b (PDF) Oct 2009		Summary: Fall 2014 Review: Spr 2015
Cyclohexylamine CAS # 108 -91-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Cyclohexylamine on 205.605b (PDF) Nov 2009. TR determination: 01 17 14		Summary: Fall 2014 Review: Spr 2015
Diethylaminoethanol CAS # 100-37-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Dethylaminoethanol on 205.605b (PDF) Nov 2009. TR determination: 01 17 14		Summary: Fall 2014 Review: Spr 2015
Octadecylamine CAs # 124-30-1	205.605(b)	TF	2001 TAP No new TR request	Final Sunset Recommendation on Octadecylamine on 205.605b (PDF) Nov. 2009.		Summary: Fall 2014 Review: Spr 2015
L-Malic acid CAS # 97 -67-6).	205.605(a)	JD	2003 TAP No new TR	Final Sunset Recommendation on L-Malic Acid on 205.605b (PDF) Nov 2009. TR determination: 01 17 14		Summary: Fall 2014 Review: Spr 2015

Sodium acid pyrophosphate CAS # 7758-16-9 2009 Expanded use	205.605(b)	JD	2001 TAP 2010 TR No New TR	Apr 2011 Subcomm recommendation April 2011 NOSB recommendation Final Sunset Recommendation on SAPP on 205.605b (PDF) Nov 2009		Summary: Fall 2014 Review: Spr 2015
Tetrasodium pyrophosphate (TSPP) CAS # 7722-88-5	205.605(b)	ZS	Y 2002 TR	Final Sunset Recommendation on TSPP on 205.605b (PDF) Nov 2009. Requested a limtd scope TR 01 12 14		Summary: Fall 2014 Review: Spr 2015

2017 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP July 2014)

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Yeast (2006) (PDF) Petition Supplement (2010) (PDF) Petition Memorandum (2010) (PDF)	205.605	JFo	Y	NOP 5014 – Certification of Organic Yeast (PDF) TAP – Yeast, Autolysate, 1995 TAP – Yeast, Bakers, 1995 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 NOSB Formal Rec (2010) NOSB Committee Rec (2010) NOSB Committee Rec (2007) 2014 TR sent to HS 01 22 14. TR sufficiency due July 15, 2014		Summary: Spr 2015 Review: Fall 2015
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Orange Shellac	205.606	ZS		TAP, 2002 (PDF) 2014 TR sent to HS 01 27 14. TR sufficiency due July 15, 2014		Summary: Spr 2015 Review: Fall 2015
Wood rosin	205.606	ZS		TR sent to HS on 01 24 14. Sufficiency due July 2014		

Other projects			
Name	Contact	Notes*	Meeting
Ancillary Substances	ZS	Final Recommendation: Ancillary Substances (Auxiliary/"other" ingredients) (PDF)	Brief Update Spr 2014

Potential future projects			
Name	Contact	Notes*	Meeting
BPA prohibition	ZS	Submitted briefing paper to NOP 01 12 14. Waiting for feedback	Discussion doc TBD

* **Highlight** indicates committee action needed.

Agenda

- Approve notes from March 18, 2014
- Discuss questions for supplemental TR for ancillary substances/microorganisms.
- Triethyl Citrate (PDF) - assign reviewer
- Sunset 2017 assignments
- Post Harvest Handling guidance update (NOP)
- Review final guidance on unpackaged products
- Fall Agenda Items - workplan 2016, 2017
- Update on BPA workplan item (NOP)
- Adjourn

Discussion

- **Notes from March 18, 2014** approved with no changes.
- **Microorganisms.** The members discussed the questions for the supplemental TR for microorganisms in the context of the ancillary substance determination, and acknowledged the complexity involved. The group also discussed microorganisms in dairy cultures. EBR will seek input from the program about combining these in their review. The lead reviewer suggested grouping items either by functional class or source, and the members generally agreed that functional class was more useful. ZS will edit some of the questions and add some explanatory text and will send it

to the Subcommittee members for more discussion on the next call. The group targeted April 15 as the day to finalize the request for the TR.

- **Ancillary substances.** The group reviewed the ancillary substance checklist that the NOP crafted. The NOP noted this is for use when a sunset substance is determined to have ancillary substances needing review. For new petitions, ancillaries will be reviewed at the same time as the generic substance. . A member mentioned using CAS numbers in an effort to clarify the identity of the substances and to make their reviews more systematic. A member cautioned the group to be realistic with these reviews, perhaps by identifying only the ancillary substances that are prohibited, and not to conduct a full-scale review of each ancillary substance, which will require a prohibitive amount of time of Board members. Additionally it would likely add a level of complexity and set unattainable goals for inspectors and certifiers. EBR will make some edits to the document and recirculate it. The HS chair asked that the other members review the edits and make any suggestions for amendments for discussion on the April 15 call.
- **Triethyl Citrate (PDF).** TR questions. Deferred to next call.
- The HS Chair scheduled a discussion for the April 15 call to set target dates for the 2016 sunset reviews, including completion of checklists and dates for TR determination.
- **Review public comments.** Members briefly discussed the comments that have been submitted, although there are not too many yet. Will discuss the comments on the April 15 call, after the comment closing date.
- **The meeting was adjourned**

[Previous HS Notes](#)

Future Call Schedule:

March 18, 2014 1:00 ET

- Discuss questions for supplemental TR for ancillary substances/microorganisms.
- Triethyl Citrate (PDF) - assign reviewer
- Sunset 2017 assignments
- Post Harvest Handling guidance update (NOP)
- Review final guidance on unpackaged products
- Fall Agenda Items - workplan 2016, 2017
- Update on BPA workplan item (NOP)

April 1, 2014 1:00 ET

- Microorganisms/Ancillary ingredients
- Review Ancillary substance checklist
- Review public comments

April 15, 2014 1:00 ET

- Review public comments
- Determine TR request for Microorganisms/Ancillary ingredients
- Review Ancillary substance checklist
- Triethyl Citrate (PDF) TR determination

Spring 2014 Milestones	Target date
Subcommittee requests technical reports for Sunset 2016 substances	Jan 15, 2014
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**National Organic Standards Board (NOSB)
Handling Subcommittee (HS) Meeting Notes
Tuesday, April 15 2014 1:00 pm ET**

Present: Harold Austin, Chair (HA), John Foster, Vice Chair (JFo), Zea Sonnabend (ZS), Tracy Favre (TF), Jean Richardson (JR), Joe Dickson (JD), Jay Feldman (JFe) - sitting in, Mac Stone (MS) - volunteer

Absent: Jennifer Taylor (JT)

Staff: Michelle Arsenault (MA), Emily Brown Rosen (EBR)

Work Plan

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2015 Sunsets § 205.605(a) and 205.606						
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2017 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP July 2014)

Name	National List §	Contact	TR reqst?	Notes*	Vote	Meeting
Yeast (2006) (PDF) Petition Supplement (2010) (PDF) Petition Memorandum (2010) (PDF)	205.605	JFo	Y	NOP 5014 – Certification of Organic Yeast (PDF) TAP – Yeast, Autolysate, 1995 TAP – Yeast, Bakers, 1995 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 NOSB Formal Rec (2010) NOSB Committee Rec (2010) NOSB Committee Rec (2007) 2014 TR sent to HS 01 22 14. TR sufficiency due July 15, 2014		Summary: Spr 2015 Review: Fall 2015
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Wood rosin	205.606	ZS	Y	TR sent to HS on 01 24 14. Sufficiency due July 2014	

Other projects			
Name	Contact	Notes*	Meeting
Ancillary Substances	ZS	Final Recommendation: Ancillary Substances (Auxiliary/"other" ingredients) (PDF)	Brief Update Spr 2014

Potential future projects			
Name	Contact	Notes*	Meeting
BPA prohibition	ZS	Submitted briefing paper to NOP 01 12 14. Waiting for feedback	Discussion doc TBD

* **Highlight** indicates committee action needed.

Agenda

- Approve notes from April 1, 2014
- Review public comments
- Determine TR request for Microorganisms/Ancillary ingredients
- Review Ancillary substance checklist
- Triethyl Citrate (PDF) TR determination
- Adjourn

Discussion

- **Notes from April 1, 2014** approved with no changes.
- Determine TR request for Microorganisms/Ancillary ingredients. Deferred to May 20 call.
- Ancillary substance checklist. The group discussed the checklist and acknowledged that these first few reviews will serve as a beta-test after which they will adjust the form as needed. ZS will make some edits to the checklist and distribute it for discussion on May 20 call.
- Triethyl Citrate (PDF) TR determination. The group discussed the petition and determined the need for a TR. Triethyl Citrate is being petitioned as a whipping aid to stabilize egg whites, and the petitioner indicated that it's a natural flavor, and therefore already allowed for use. The lead reviewer found the petition sufficient but lacking in some necessary information and feels that a TR would be useful. JR will craft some questions and send them to the group for review. The NOP

suggested the Members review the nitrous oxide petition for reference. The HS Chair will send the official TR request to the national List manager later this week.

- Yeast (JFo) TR sufficiency. The lead reviewer will craft some notes and email them to the group before the next call.
- Review public comments.
 - Glycerin: the group discussed the public comments which addressed several issues such as economic impacts to the community if glycerin is delisted. During the previous call for comments the Board received very few, if any, comments, and could not locate the original petitioner. No users or manufacturers sent comments either. One commenter raised the question of availability, suggesting that there is a greater demand than is being communicated. The HS is anticipating oral comments to see if they receive any information about need. The NOSB is awaiting classification guidance from the NOP. The group discussed various ways in which to proceed, including the addition of an annotation about commercial availability for 205.605 (similar to yeast), which would require them to table the vote to the next NOSB meeting. The group also discussed having the petitioner resubmit a revised petition. The NOP will explore this suggestion. The group also discussed the fact that there are two listings for glycerin: one for Handling and one for Livestock, and stated that they are only reviewing this for its petitioned use for Handling.
 - Ammonium Hydroxide: The NOSB received comments from the petitioner as well as others. The lead reviewer noted that this material fails the essentiality criteria, and the group discussed the broader issues if ammonium hydroxide is not approved.
 - PGME: As this proposal was being developed the NOP, based on the TR, determined that there was no food contact, and therefore this material did not need to be on the National List. This determination was contradicted by several public commenters, who felt that the TR was flawed and that PGME actually does come in contact with food. Members discussed deferring the vote on this material at the meeting so it can be sent back to Subcommittee for additional work. They will seek more information from the TR contractor. The members discussed the broader issue of boiler chemicals in general, of which ammonium hydroxide is one. They questioned if there is a need for boiler additives at all, as the lead reviewer was unable to identify anyone who was using them. A member urged the group to read the petitioners comments which seems well informed and non-partisan. The same member suggested that if adding ammonium hydroxide to the list as a substitute for other boiler additives allows the removal of volatile amines from the list, then perhaps this is a step in the right direction.
- The 2017 Sunset materials discussions were scheduled (please see below)
- **The meeting was adjourned**

[Previous HS Notes](#)

Future Call Schedule:

April 1, 2014 1:00 ET

Microorganisms/Ancillary ingredients
Review Ancillary substance checklist
Review public comments

April 15, 2014 1:00 ET

Review public comments
Determine TR request for Microorganisms/Ancillary ingredients
Review Ancillary substance checklist

Triethyl Citrate (PDF) TR determination
 May 20, 2014 1:00 ET
 TR request for Microorganisms/Ancillary ingredients
 Assign schedule for review of 2017 Sunsets
 Discuss 2016 Sunset:
 Octadecylamine
 Discuss boiler additive materials (information from CCOF)
 June 3, 2014 1:00 ET
 Discuss 2016 Sunsets:
 Carnauba was, wood rosin, orange shellac (ZS)
 Egg white lysozyme (TF)
 Activated charcoal (HA)
 Diethylaminoethanol (JT)
 Cyclohexamine (JT)
 Discuss 2017 Sunsets
 Fruit Coatings (ZS)
 June 17, 2014 1:00 ET 7
 Discuss 2016 Sunset:
 Paracetic acid (JFo)
 Sodium acid pyrophosphate (JD)
 L-Malic acid (JD)
 Discuss 2017 Sunsets
 Filtering Agents (JR)
 Drying
 July 1, 2014 1:00 ET
 Discuss 2017 Sunsets/determine need for TRs:
 Gums, thickening agents (ZS)
 Leavening agents (HA)
 July 15, 2014 1:00 ET
 Aug 5, 2014 1:00 ET
 Aug 19, 2014 1:00 ET
 Sep 2, 2014 1:00 ET
 Sep 16, 2014 1:00 ET
 Oct 7, 2014 1:00 ET
 Oct 21, 2014 1:00 ET
 Nov 4, 2014 1:00 ET
 Nov 18, 2014 1:00 ET

Spring 2014 Milestones	Target date
Subcommittee requests technical reports for Sunset 2016 substances	Jan 15, 2014
NOSB Training meeting	Feb 4 - 5, 2014
NOP – Complete tentative agenda	Feb 7, 2014
Spring 2014 proposals due to NOP	Feb 26, 2014

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Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy or regulations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

**National Organic Standards Board (NOSB)
Handling Subcommittee (HS) Meeting Notes
Tuesday, May 20, 2014 1:00 pm ET**

Present: Harold Austin, Chair (HA), John Foster, Vice Chair (JFo), Zea Sonnabend (ZS), Jean Richardson (JR), Joe Dickson (JD), Jennifer Taylor (JT)

Absent: Tracy Favre (TF), Mac Stone (MS)

Staff: Michelle Arsenault (MA), Emily Brown Rosen (EBR)

Work Plan

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gibberellic acid Petition Addendum	Add to 205.605	ZS, TF	Yes	Petition sent to HS 07 27 12. Petition suff response due 09 27 12. Sent back to petitioner for additional questions 01 09 13. Rcvd response 04 16 13. On hold until post- harvest handling draft guidance is published.		TBD
Whole algal flour Petition Addendum #1	205.606	HA		Petition sent to HS on 09 30 13. Petition suff (including TR Request, if applicable) due 11 29 13. Petition found insufficient. Sent addit'l Q's to petitioner. Pet. addendum sent to HS 01 22 14. Sufficiency due 02 25 14. Petition found "complete" 02 18 14		Proposal Fall 2014
2012 Ammonium hydroxide (boiler water additive)	Add to 205.605	JR	No 2001 TAP	2000 petition. 2001 Recommendation. 2001 Background Paper. 2012 Petition sent to HS 11 06 12. Petition Sufficiency Response Due Date: 01 27 13. Petition found sufficient 12 18 12. No TR requested. Original proposal revised for spring 2014 meeting		Proposal Fall 2014
Glycerin CAS #(56-81-5)	Remove from 205.605(b)	TF	1995 TR 2013 TR	Petition sent to HS on 01 09 13. Sufficiency response due 03 11 13. TR sent to HS on 06 11 13. Sufficiency due 08 12 13. TR found suff 07 02 13		Proposal Fall 2014

Petitioned Substances

Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Polyalkylene glycol monobutyl ether PGME (PDF) (CAS # 9038-95-3) As a boiler water additive	205.605	JR	2013 TR	Petition sent to MS/HS 01 28 13. TR Requested 2 19 2013. Draft TR sent to HS 06 11 13. TR sufficiency response due 08 12 13. TR found sufficient 07 02 13. Discussion doc returned to HS for further review. Supplemental TR rqstd 05 20 14		Proposal Fall 2014
Triethyl Citrate (PDF)	205.605	JR	Y	Petition sent to HS 03 04 14. Rqst for Q's or TR due 05 06 14. TR requested 04 16 14		Proposal Fall 2014

2015 Sunsets § 205.605(a) and 205.606

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gellan gum CAS # 71010-52-1	205.605(a)	JD	Y	2006 TR , 2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Marsala	205.606(g)	TF	N	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Sherry	205.606(g)	TF	N	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Tragacanth CAS # 9000-65-1	205.606(x)	JD	N	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014

2016 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP Jan 2014)

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Egg white lysozyme CAS # 9001-63-2	205.605(a)	TF	No new TR 2011 TR 2003 TAP	Final Sunset Recommendation on Egg White Lysozyme on 205.605b (PDF) Nov 2009.		Summary: Fall 2014 Review: Spr 2015

Microorganisms	205.605	ZS	Y 2003 TAP	Final Sunset Recommendation on Microorganisms on 205.605b (PDF) Nov 2009. TR requested by NOP Aug 26 2013. TR sent to HS 01 23 14. TR suff due 03 25 14. TR found not sufficient		Summary: Fall 2014 Review: Spr 2015
Activated charcoal CAS #s 7440-44-0; 64365-11-3	205.605(b)	HA	No new TR 2002 TAP	Final Sunset Recommendation on Activated Charcoal on 205.605b (PDF) Nov 2009		Summary: Fall 2014 Review: Spr 2015
Peracetic acid CAS # 79-21-0	205.605(b))	JFo	No new TR request 2000 TAP	Final Sunset Recommendation on Peracetic Acid on 205.605b (PDF) Oct 2009		Summary: Fall 2014 Review: Spr 2015
Cyclohexylamine CAS # 108 -91-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Cyclohexylamine on 205.605b (PDF) Nov 2009. TR determination: 01 17 14		Summary: Fall 2014 Review: Spr 2015
Diethylaminoethanol CAS # 100-37-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Dethylaminoethanol on 205.605b (PDF) Nov 2009. TR determination: 01 17 14		Summary: Fall 2014 Review: Spr 2015
Octadecylamine CAS # 124-30-1	205.605(b)	TF	2001 TAP No new TR request	Final Sunset Recommendation on Octadecylamine on 205.605b (PDF) Nov. 2009.		Summary: Fall 2014 Review: Spr 2015
L-Malic acid CAS # 97 -67-6).	205.605(a)	JD	2003 TAP No new TR	Final Sunset Recommendation on L-Malic Acid on 205.605b (PDF) Nov 2009. TR determination: 01 17 14		Summary: Fall 2014 Review: Spr 2015

Sodium acid pyrophosphate CAS # 7758-16-9 2009 Expanded use	205.605(b)	JD	2001 TAP 2010 TR No New TR	Apr 2011 Subcomm recommendation April 2011 NOSB recommendation Final Sunset Recommendation on SAPP on 205.605b (PDF) Nov 2009		Summary: Fall 2014 Review: Spr 2015
Tetrasodium pyrophosphate (TSPP) CAS # 7722-88-5	205.605(b)	ZS	Y 2002 TR	Final Sunset Recommendation on TSPP on 205.605b (PDF) Nov 2009. Requested a limtd scope TR 01 12 14		Summary: Fall 2014 Review: Spr 2015

2017 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP July 2014) – in progress (see table below for others)

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Yeast (2006) (PDF) Petition Supplement (2010) (PDF) Petition Memorandum (2010) (PDF)	205.605	JFo	Y	NOP 5014 – Certification of Organic Yeast (PDF) TAP – Yeast, Autolysate, 1995 TAP – Yeast, Bakers, 1995 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 NOSB Formal Rec (2010) NOSB Committee Rec (2010) NOSB Committee Rec (2007) 2014 TR sent to HS 01 22 14. TR sufficiency due July 15, 2014		Summary: Spr 2015 Review: Fall 2015
Carnauba Wax	205.605	ZS	Y	TAP for Fruit Waxes, 1996 (PDF) 2014 TR sent to HS 01 24 14. TR sufficiency due July 15, 2014		Summary: Spr 2015 Review: Fall 2015

Orange Shellac	205.606	ZS	Y	TAP, 2002 (PDF) 2014 TR sent to HS 01 27 14. TR sufficiency due July 15, 2014	Summary: Spr 2015 Review: Fall 2015
Wood rosin	205.606	ZS	Y	TR sent to HS on 01 24 14. Sufficiency due July 2014	Summary: Spr 2015 Review: Fall 2015

Other projects			
Name	Contact	Notes*	Meeting
Ancillary Substances	ZS	Final Recommendation: Ancillary Substances (Auxiliary/"other" ingredients) (PDF)	Brief Update Spr 2014
BPA prohibition	ZS	Submitted briefing paper to NOP 01 12 14. Waiting for feedback from NOP	Discussion doc TBD

* **Highlight** indicates committee action needed.

Agenda

- Approve notes from April 15, 2014
- Discuss fall 2014 workplan items
- Discuss boiler additive materials
- Schedule reviews for 2017 Sunsets
- TR request for Microorganisms/Ancillary ingredients
- Other topics
- Adjourn

Discussion

- **Notes from April 15, 2014** approved with no changes.
- **Fall 2014 Workplan**
 - 2015 Sunsets (Sunset, Sherry, Tragacanth, Gellen gum) - The HS will schedule calls to discuss these materials further. EBR will send the sunset review form to the group.
 - **Glycerin** - discussion deferred to next call.
 - **Boiler Water Additives (PGME/Ammonium Hydroxide, etc)**. The HS will request a limited scope TR that will address specific questions related to PGME, and also seek similar information from the petitioner. . Members discussed the essentiality question and acknowledged that a TR cannot easily address those types of questions. The HS Chair added that he received feedback from several certifiers about use, which indicated that one of the three amines is not being utilized at this time. The NOP suggested perhaps convening an expert panel at the fall 2014 NOSB meeting on volatile amines that are scheduled for sunset in 2016. The HS seeks information about whether Ammonium Hydroxide can serve as a replacement material for volatile amines currently listed. The fall proposal will include questions about the need for replacements and will caution the community that the NOSB is seeking removal if there isn't evidence to the contrary.

- **Members scheduled the following 2017 Sunset materials for discussion to determine the need for TRs** (also see schedule below)
 - Filtering Agents - Jean - June 17th
 - Fruit Coatings - Zea - June 3rd
 - 4 Food Acids - John - June 17
 - Minerals - Jennifer – July 1
 - Sanitizers - Joe – July 1st
 - Gums, Thickening Agents - Zea - July 1st
 - Vitamins & Minerals - Tracy - July 1
 - Leavening Agents - Harold - July 1st
 - Drying Agents- Jean - June 17th
 - Preservatives, Thickening agents (Lecithin (ZS), Sulfur dioxide (JD), tocopherols (TF)) -?
 - Gases - Jennifer - July 1
 - Colors - Mac – June 3
 - Casings - Mac - June 3
 - Misc. Ingredients - Joe – July 15
 - Dairy Cultures - John - June 17
 - Flavors - Mac - June 3
- **Microorganisms TR sufficiency/Ancillary Substances**, draft #3 was circulated to the HS members last week. The lead reviewer had some conversations after the spring meeting about the information in the draft TR for yeast. The new yeast TR does overlap somewhat with the review of microorganisms, however the group feels that it does not adequately cover microorganisms and instead is recommending a request for a supplement to the TR for microorganisms. ZS will add some questions for the contractor and forward the request ASAP. The group discussed the current TR and the overlap of materials such as dairy cultures. One member noted that dairy cultures is a common phrase because it is the phrase that appears on ingredient panels. A member noted that covering multiple items under one TR doesn't necessarily mean the NOSB would recommend addition or removal en masse. The HS will seek additional information from stakeholders before the August 19 posting date.
- **Other Topics**
 - The NOP noted that the draft guidance on post-harvest handling is open for comment until June 24. The group discussed various aspects of the guidance document and the NOP requested feedback for the next HS call. The NOP added that the document on calculating the percentage of organic ingredients in multi-ingredient products ties into this, and will follow up to find out the status.
 - Whole algal flour -TR determination. HA will review this and let the NOP know ASAP, but feels that the HS will not request a TR.
 - Glycerin - EBR will speak with TF to discuss the comments received regarding this material
- **The meeting was adjourned**

[Previous HS Notes](#)

Future Call Schedule:

April 15, 2014 1:00 ET

Review public comments

Determine TR request for Microorganisms/Ancillary ingredients

Review Ancillary substance checklist

Triethyl Citrate (PDF) TR determination

May 20, 2014 1:00 ET

TR request for Microorganisms/Ancillary ingredients
Assign schedule for review of 2017 Sunsets
Discuss boiler additive materials (information from CCOF)
Discuss Post-Handling Draft Guidance
Comments and discussion on the 4 2015 Sunset Materials

June 3, 2014 1:00 ET

Discuss 2016 Sunset Reviews:
Octadecylamine (TF)
Egg white lysozyme (TF)
Activated charcoal (HA)
Diethylaminoethanol (JT)
Cyclohexamine (JT)
Yeast TR sufficiency determination (JFo)
Discuss 2017 Sunset TR determinations
Colors (MS)
Casing (MS)
Flavors (MS)
Discuss 2017 Sunset TR sufficiency
Fruit Coatings (Carnauba wax, wood rosin, orange shellac) (ZS)

June 17, 2014 1:00 ET 7

Discuss 2016 Sunset:
Paracetic acid (JFo)
Sodium acid pyrophosphate (JD)
L-Malic acid (JD)
Discuss 2017 Sunsets/determine need for TRs:
Filtering Agents (JR)
Drying Agents (JR)
Food Acids: Citric acid, Lactic acid, Calcium citrate, Sodium citrate (JFo)
Dairy cultures (JFo)

July 1, 2014 1:00 ET

Discuss 2017 Sunsets/determine need for TRs:
Gums, thickening agents (ZS)
Preservatives, Thickening agents [Lecithin (ZS), Sulfur dioxide (JD), tocopherols (TF)]
Leavening agents (HA)
Minerals (JT)
Sanitizers (JD)
Vitamins & Minerals (TF)
Gases (JT)

July 15, 2014 1:00 ET

Discuss 2017 Sunsets/determine need for TRs:
Misc Ingredients (JD)
Prioritize TRs

Aug 5, 2014 1:00 ET

Discuss 4 2015 Sunset proposals: Tragacanth and Gellan gum

Aug 19, 2014 1:00 ET

Sep 2, 2014 1:00 ET

Sep 16, 2014 1:00 ET

Oct 7, 2014 1:00 ET
Oct 21, 2014 1:00 ET
Nov 4, 2014 1:00 ET
Nov 18, 2014 1:00 ET

Fall 2014 Milestones	Target date
NOSB Subcommittee requests technical reports for Sunset 2017 substances	Jul 15, 2014
NOP - Complete tentative agenda	Aug 7, 2014
NOSB - Fall 2014 proposals due to NOP	Aug 27, 2014
NOP - Post proposals, Publish FRN, Open public comment	Sep 8, 2014
NOSB Subcommittees - submit tentative workplans to NOP	Sept 11, 2014
Discuss workplans on ES call	Sept 12, 2014
Public comment closes	Oct 7, 2014
Workplans finalized on ES call (last call before fall mtg)	Oct 17, 2014
NOP - Send compiled public comments to NOSB	Oct 13, 2014
Fall 2014 NOSB Meeting – Louisville, KY	Oct 27 - Oct 31

2017 Sunsets (TR requests due to NOP July 2014)

Substance	Contact	TR	Misc notes	Vote	Meeting
Acidified sodium chlorite	JD		SANITIZERS		Summary: Spr 2015 Review: Fall 2015
Alginates	ZS		GUMS, THICKENING AGENTS		
Ammonium bicarbonate	HA		LEAVENING AGENTS		
Ammonium carbonate	HA		LEAVENING AGENTS		
Arabic gum	ZS		GUMS, THICKENING AGENTS		
Ascorbic acid	TF		VITAMINS & MINERALS		
Attapulgate	JR		FILTERING AGENT		
Beet juice extract color	MS		COLORS		
Bentonite	JR		FILTERING AGENT		
Black currant juice color	MS		COLORS		
Black/Purple carrot juice color	MS		COLORS		
Blueberry juice color	MS		COLORS		
Calcium carbonate	JT		MINERALS		
Calcium chloride	TF		VITAMINS & MINERALS		
Calcium citrate	JFo		FOOD ACIDS		
Calcium hydroxide	JT		MINERALS		
Calcium hypochlorite	JD		SANITIZERS		
Calcium phosphate dibasic	HA		LEAVENING AGENTS		
Calcium phosphate monobasic	HA		LEAVENING AGENTS		
Calcium phosphate tribasic	HA		LEAVENING AGENTS		
Carbon dioxide	JT		GASES		
Carnauba Wax	ZS		FRUIT COATINGS		
Carob bean gum	ZS		GUMS, THICKENING AGENTS		
Carrot juice color	MS		COLORS		
Casings	MS				
Celery powder	JD		MISC. INGREDIENTS		
Cherry juice color	MS		COLORS		
Chia (Salvia hispanica L.)	JD		MISC. INGREDIENTS		
Chlorine dioxide	JD		SANITIZERS		
Chokeberry—Aronia juice color	MS		COLORS		
Citric acid	JFo		FOOD ACIDS		
Cornstarch (native)	ZS		GUMS, THICKENING AGENTS		
Dairy cultures	JFo				
Diatomaceous earth	JR		FILTERING AGENT		
Diglycerides	JR		DRYING		
Dillweed oil	JD		MISC. INGREDIENTS		
Elderberry juice color	MS		COLORS		

Enzymes	JFo				
Ethylene	JT		GASES		
Ferrous sulfate	TF		VITAMINS & MINERALS		
Fish oil	MS				
Flavors	MS				
Fructooligosaccharides	JFo		DAIRY ADDITIVES		
Galangal, frozen	JD		MISC. INGREDIENTS		
Gelatin	ZS		GUMS, THICKENING AGENTS		
Glycerin	JR		FILTERING AGENT		
Grape juice color	MS		COLORS		
Grape skin extract color	MS		COLORS		
Guar gum	ZS		GUMS, THICKENING AGENTS		
Hydrogen peroxide	JD		SANITIZERS		
Inulin-oligofructose enriched	JFo		DAIRY ADDITIVES		
Kaolin	JR		FILTERING AGENT		
Kelp	ZS		GUMS, THICKENING AGENTS		
Konjac flour	ZS		GUMS, THICKENING AGENTS		
Lactic acid	JFo		FOOD ACIDS		
Lecithin - de-oiled	ZS		PRESERVATIVES, THICKENERS		
Lemongrass-frozen	JD		MISC. INGREDIENTS		
Locust bean gum	ZS		GUMS, THICKENING AGENTS		
Magnesium carbonate	JT		MINERALS		
Magnesium chloride	JT		MINERALS		
Magnesium stearate	JR		DRYING		
Magnesium sulfate	JT		MINERALS		
Monoglycerides	JR		DRYING		
Nitrogen	JT		GASES		
Nutrient vitamins and minerals	TF		VITAMINS & MINERALS		
Orange pulp, dried	JD		MISC. INGREDIENTS		
Orange Shellac	ZS		FRUIT COATINGS		
Oxygen	JT		GASES		
Ozone	JD		SANITIZERS		
Paprika color	MS		COLORS		
Pectin (non-amidated forms only)	ZS		GUMS, THICKENING AGENTS		
Peppers (Chipotle chile)	JD		MISC. INGREDIENTS		
Perlite	JR		FILTERING AGENT		
Phosphoric acid	JD		SANITIZERS		
Potassium acid tartrate	JT		MINERALS		
Potassium carbonate	JT		MINERALS		
Potassium chloride	TF		VITAMINS & MINERALS		
Potassium citrate	JT		MINERALS		

Potassium iodide	TF		VITAMINS & MINERALS		
Potassium phosphate	JT		MINERALS		
Pumpkin juice color	MS		COLORS		
Purple potato juice	MS		COLORS		
Red cabbage extract color	MS		COLORS		
Red radish extract color	MS		COLORS		
Saffron extract color	MS		COLORS		
Seaweed, Pacific kombu	ZS		GUMS, THICKENING AGENTS		
Silicon dioxide	JR		FILTERING AGENT		
Sodium bicarbonate	HA		LEAVENING AGENTS		
Sodium carbonate	HA		LEAVENING AGENTS		
Sodium citrate	JFo		FOOD ACIDS		
Sodium hydroxide	JT		MINERALS		
Sodium hypochlorite	JD		SANITIZERS		
Sodium phosphates	JT		MINERALS		
Sulfur dioxide	JD		PRESERVATIVES, THICKENERS		
Sweet potato starch	ZS		GUMS, THICKENING AGENTS		
Tocopherols	TF		PRESERVATIVES, THICKENERS		
Turkish bay leaves	JD		MISC. INGREDIENTS		
Turmeric extract color	MS		COLORS		
Wakame seaweed (Undaria pinnatifida)	ZS		GUMS, THICKENING AGENTS		
Whey protein concentrate	JFo		DAIRY ADDITIVES		
Wood rosin	ZS		FRUIT COATINGS		
Xanthan gum	ZS		GUMS, THICKENING AGENTS		
Yeast	JFo				

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**National Organic Standards Board (NOSB)
Handling Subcommittee (HS) Meeting Notes
Tuesday, June 3, 2014 1:00 pm ET**

Present: Harold Austin, Chair (HA), John Foster, Vice Chair (JFo), Zea Sonnabend (ZS), Jennifer Taylor (JT), Tracy Favre (TF), Mac Stone (MS), Jean Richardson (JR), Carmela Beck (CBo) dialed in but didn't respond

Absent: Joe Dickson (JD)

Staff: Michelle Arsenault (MA), Emily Brown Rosen (EBR)

Work Plan

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gibberellic acid Petition Addendum	Add to 205.605	ZS, TF	Yes	Petition sent to HS 07 27 12. Petition suff response due 09 27 12. Sent back to petitioner for additional questions 01 09 13. Rcvd response 04 16 13. On hold until post-harvest handling (PHH) draft guidance is published. Draft PHH published 04 25 14.		TBD
Whole algal flour Petition Addendum #1	205.606	HA		Petition sent to HS on 09 30 13. Petition suff (including TR Request, if applicable) due 11 29 13. Petition found insufficient. Sent addit'l Q's to petitioner. Pet. addendum sent to HS 01 22 14. Sufficiency due 02 25 14. Petition found "complete" 02 18 14		Proposal Fall 2014
2012 Ammonium hydroxide (boiler water additive)	Add to 205.605	JR	No 2001 TAP	2000 petition . 2001 Recommendation . 2001 Background Paper . 2012 Petition sent to HS 11 06 12. Petition Sufficiency Response Due Date: 01 27 13. Petition found sufficient 12 18 12. No TR requested. Original proposal revised for spring 2014 meeting. Supplemental TR rqst for PGME sent 05 20 14		Proposal Fall 2014
Glycerin CAS #(56-81-5)	Remove from 205.605(b)	TF	1995 TR 2013 TR	Petition sent to HS on 01 09 13. Sufficiency response due 03 11 13. TR sent to HS on 06 11 13. Sufficiency due 08 12 13. TR found suff 07 02 13		Proposal Fall 2014

Petitioned Substances

Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Polyalkylene glycol monobutyl ether PGME (PDF) (CAS # 9038-95-3) As a boiler water additive	205.605	JR	2013 TR	Petition sent to MS/HS 01 28 13. TR Requested 2 19 2013. Draft TR sent to HS 06 11 13. TR sufficiency response due 08 12 13. TR found sufficient 07 02 13. Discussion doc returned to HS for further review. Supplemental TR rqstd 05 20 14		Proposal Fall 2014
Triethyl Citrate (PDF)	205.605	JR	Y	Petition sent to HS 03 04 14. Rqst for Q's or TR due 05 06 14. TR requested 04 16 14		Proposal Fall 2014

2015 Sunsets § 205.605(a) and 205.606

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gellan gum CAS # 71010-52-1	205.605(a)	JD	Y	2006 TR , 2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Marsala	205.606(g)	TF	N	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Sherry	205.606(g)	TF	N	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Tragacanth CAS # 9000-65-1	205.606(x)	JD	N	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014

2016 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP Jan 2014)

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Egg white lysozyme CAS # 9001-63-2	205.605(a)	TF	No new TR 2011 TR 2003 TAP	Final Sunset Recommendation on Egg White Lysozyme on 205.605b (PDF) Nov 2009.		Summary: Fall 2014 Review: Spr 2015

Microorganisms	205.605	ZS	Y 2003 TAP	Final Sunset Recommendation on Microorganisms on 205.605b (PDF) Nov 2009. TR requested by NOP Aug 26 2013. TR sent to HS 01 23 14. TR suff due 03 25 14. TR found not sufficient		Summary: Fall 2014 Review: Spr 2015
Activated charcoal CAS #s 7440-44-0; 64365-11-3	205.605(b)	HA	No new TR 2002 TAP	Final Sunset Recommendation on Activated Charcoal on 205.605b (PDF) Nov 2009		Summary: Fall 2014 Review: Spr 2015
Peracetic acid CAS # 79-21-0	205.605(b))	JFo	No new TR request 2000 TAP	Final Sunset Recommendation on Peracetic Acid on 205.605b (PDF) Oct 2009		Summary: Fall 2014 Review: Spr 2015
Cyclohexylamine CAS # 108 -91-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Cyclohexylamine on 205.605b (PDF) Nov 2009. TR determination: 01 17 14		Summary: Fall 2014 Review: Spr 2015
Diethylaminoethanol CAS # 100-37-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Dethylaminoethanol on 205.605b (PDF) Nov 2009. TR determination: 01 17 14		Summary: Fall 2014 Review: Spr 2015
Octadecylamine CAS # 124-30-1	205.605(b)	TF	2001 TAP No new TR request	Final Sunset Recommendation on Octadecylamine on 205.605b (PDF) Nov. 2009.		Summary: Fall 2014 Review: Spr 2015
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Sodium acid pyrophosphate CAS # 7758-16-9 2009 Expanded use	205.605(b)	JD	2001 TAP 2010 TR No New TR	Apr 2011 Subcomm recommendation April 2011 NOSB recommendation Final Sunset Recommendation on SAPP on 205.605b (PDF) Nov 2009		Summary: Fall 2014 Review: Spr 2015
Tetrasodium pyrophosphate (TSPP) CAS # 7722-88-5	205.605(b)	ZS	Y 2002 TR	Final Sunset Recommendation on TSPP on 205.605b (PDF) Nov 2009. Requested a limtd scope TR 01 12 14		Summary: Fall 2014 Review: Spr 2015

2017 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP July 2014) – in progress (see table below for others)

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
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Carnauba Wax	205.605	ZS	Y	TAP for Fruit Waxes, 1996 (PDF) 2014 TR sent to HS 01 24 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015

Orange Shellac	205.606	ZS	Y	TAP, 2002 (PDF) 2014 TR sent to HS 01 27 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.	Summary: Spr 2015 Review: Fall 2015
Wood rosin	205.606	ZS	Y	TR sent to HS on 01 24 14. Sufficiency due July 2014. TR found sufficient 06 03 14.	Summary: Spr 2015 Review: Fall 2015

Other projects			
Name	Contact	Notes*	Meeting
Ancillary Substances	ZS	Final Recommendation: Ancillary Substances (Auxiliary/"other" ingredients) (PDF)	Brief Update Spr 2014
BPA prohibition	ZS	Submitted briefing paper to NOP 01 12 14. Waiting for feedback from NOP	Discussion doc TBD

* **Highlight** indicates committee action needed.

Agenda

- Approve notes from May 20, 2014
- Update on the BPA prohibition document
- **Discuss 2016 Sunset Reviews:**
 - Octadecylamine (TF)
 - Egg white lysozyme (TF)
 - Activated charcoal (HA)
 - Diethylaminoethanol (JT)
 - Cyclohexamine (JT)
- **Discuss 2017 Sunset TR determinations**
 - Colors (MS)
 - Casing (MS)
 - Flavors (MS)
- **Discuss 2017 Sunset TR sufficiency**
 - Fruit Coatings (Carnauba wax, wood rosin, orange shellac) (ZS)
 - Yeast - TR sufficiency determination (JFo)
- **Adjourn**

Discussion

- **Notes from May 20, 2014** were approved with no changes.
- **Members discussed** Microorganisms TR sufficiency -The NOP responded to the HS request for more information on ancillary substances, and found the level of detail requested was beyond the scope of the current TR. NOP will seek information on fungal microbes, and ancillaries in the context of generic microorganisms. Several members were concerned this would not provide enough information, and will request additional information from public. If there is still not adequate info,

the HS could seek additional input at the spring 2015 meeting. ZS and HA will contact certifiers with a request for spec sheets on microorganisms, to be collected by MA and shared with HS.

- A member asked for an update on the BPA prohibition document. The NOP will report back with an update on June 17.
- **2016 Sunsets**
 - **Octadecylamine (TF)** - Currently listed at 206.605(b), with an annotation for use only as a boiler water additive for packaging sterilization. The 2009 Sunset review noted that the use and manufacture of the material, which is volatile, causes harm to both humans and the environment, and the NOSB originally intended to allow the material to Sunset. After receiving numerous comments citing the need for the material, the Board revised their recommendation to relist. The Board also expressed their desire for the organic community to develop less hazardous materials to be used as a replacement for Octadecylamine. Currently the NOSB is exploring whether or not Ammonium Hydroxide could substitute. The group discussed having a panel of experts on boiler additives at the fall meeting to provide more information on these topics.
 - Egg white lysozyme - Currently listed at 205.605(a) as a natural antimicrobial, particularly in cheese and wine making. The lead reviewer feels this is a straightforward process and recommends relisting. Another member mentioned support for relisting from a member of the personal care industry.
 - **Activated charcoal (HA)** - postponed discussion to June 17
 - **Diethylaminoethanol (JT)** - Previous TRs are from 2001. No TRs were requested for the volatile amine boiler chemicals, but the hope is that the expert panel will provide answers to some of the outstanding questions for this material.
 - **Cyclohexamine (JT)** - Similar to Diethylaminoethanol, the hope is that the expert panel will provide answers to some of the outstanding questions for this material..
- **2017 Sunset TR determinations**
 - Colors (MS) - postponed to June 17
 - Casing (MS) - postponed to June 17
 - Flavors (MS) - postponed to June 17
- **2017 Sunset TR sufficiency**
 - **Yeast** TR sufficiency determination (JFo) - The lead reviewer noted that the TR was very well done, and was deemed sufficient. Members will likely pose additional questions for public comment.
 - **Fruit Coatings** (Carnauba wax, wood rosin, orange shellac) (ZS). The three TRs were found to be sufficient although the lead reviewer noted that they do not address ancillary substances extensively. The group discussed the ancillary substance review, which will be posted for public comment along with the materials review information.
- **Glycerin** - The group discussed this material and based on the comments from the spring 2014 meeting will revise the proposal for the fall 2014 meeting. HA asked that TF bring a draft proposal to the group for the July 1 meeting.
- **Alginate acid** was added to the table below. It was mistakenly assigned to Livestock but belongs in Handling and needs to be assigned a reviewer.
- **Other Business**
 - **Panel discussion on boiler amines** - Members discussed the suggestion of having a panel at the fall 2014 meeting of which the NOP is supportive. The next steps for the Subcommittee include compiling questions for the TR and creating a list of suggestions for potential panelists.

- The HS Chair will notify the National List Manager of TR sufficiency for yeast, carnauba wax, wood rosin, orange shellac.
- **The meeting was adjourned**

[Previous HS Notes](#)

Future Call Schedule:

May 20, 2014 1:00 ET

TR request for Microorganisms/Ancillary ingredients
 Assign schedule for review of 2017 Sunsets
 Discuss boiler additive materials (information from CCOF)
 Discuss Post-Handling Draft Guidance
 Comments and discussion on the 4 2015 Sunset Materials

June 3, 2014 1:00 ET

Discuss 2016 Sunset Reviews:
 Octadecylamine (TF)
 Egg white lysozyme (TF)
 Activated charcoal (HA)
 Diethylaminoethanol (JT)
 Cyclohexamine (JT)

Discuss 2017 Sunset TR determinations
 Colors (MS)
 Casing (MS)
 Flavors (MS)

Discuss 2017 Sunset TR sufficiency
 Yeast TR sufficiency determination (JFo)
 Fruit Coatings (Carnauba wax, wood rosin, orange shellac) (ZS)

June 17, 2014 1:00 ET

Discuss Research Priorities for fall 2014
 Discuss Nanotech issue/article
 2017 Sunset TR determinations
 Colors (MS)
 Casing (MS)
 Flavors (MS)
 Filtering Agents (JR)
 Drying Agents (JR)
 Food Acids: Citric acid, Lactic acid, Calcium citrate, Sodium citrate (JFo)
 Dairy cultures (JFo)

Discuss 2016 Sunset materials for 1st posting:
 Paracetic acid (JFo)
 Sodium acid pyrophosphate (JD)
 L-Malic acid (JD)
 Activated charcoal (HA)

Status on Limited Scope TR for TSPP
 BPA Update
 Discuss potential panelists for Boiler Panel
 Schedule an additional HS call

July 1, 2014 1:00 ET

Discuss Glycerin draft proposal (TF)

Discuss 2017 Sunsets/determine need for TRs:

Gums, thickening agents (ZS)

Preservatives, Thickening agents [Lecithin (ZS), Sulfur dioxide (JD), tocopherols (TF)]

Leavening agents (HA)

Minerals (JT)

Sanitizers (JD)

Vitamins & Minerals (TF)

Gases (JT)

July 15, 2014 1:00 ET

Discuss 2017 Sunsets/determine need for TRs:

Misc Ingredients (JD)

Prioritize TRs

Aug 5, 2014 1:00 ET

Discuss 4 2015 Sunset proposals: Marsala, Sherry, Tragacanth and Gellan Gum

Aug 19, 2014 1:00 ET

Sep 2, 2014 1:00 ET

Sep 16, 2014 1:00 ET

Oct 7, 2014 1:00 ET

Oct 21, 2014 1:00 ET

Nov 4, 2014 1:00 ET

Nov 18, 2014 1:00 ET

Fall 2014 Milestones	Target date
NOSB Subcommittee requests technical reports for Sunset 2017 substances	Jul 15, 2014
NOP - Complete tentative agenda	Aug 7, 2014
NOSB - Fall 2014 proposals due to NOP	Aug 27, 2014
NOP - Post proposals, Publish FRN, Open public comment	Sep 8, 2014
NOSB Subcommittees - submit tentative workplans to NOP	Sept 11, 2014
Discuss workplans on ES call	Sept 12, 2014
Public comment closes	Oct 7, 2014
Workplans finalized on ES call (last call before fall mtg)	Oct 17, 2014
NOP - Send compiled public comments to NOSB	Oct 13, 2014
Fall 2014 NOSB Meeting – Louisville, KY	Oct 27 - Oct 31

2017 Sunsets (TR requests due to NOP July 2014)

Substance * Highlight = Multiple listings * Greyed out = moved to table above as they are reviewed	Contact	TR	Misc notes	Vote	Meeting
Acidified sodium chlorite	JD	2008	SANITIZERS		Summary: Spr 2015 Review: Fall 2015
Alginate	ZS	1995	GUMS, THICKENING AGENTS		
Alginic acid	TF	none			
Ammonium bicarbonate	HA	2004	LEAVENING AGENTS		
Ammonium carbonate	HA	1995	LEAVENING AGENTS		
Arabic gum	ZS	1995	GUMS, THICKENING AGENTS		
Ascorbic acid	TF	1995	VITAMINS & MINERALS		
Attapulgate	JR	2010	FILTERING AGENT		
Beet juice extract color	MS	None	COLORS		
Bentonite	JR	1995	FILTERING AGENT		
Black currant juice color	MS	None	COLORS		
Black/Purple carrot juice color	MS	None	COLORS		
Blueberry juice color	MS	None	COLORS		
Calcium carbonate	JT	1995	MINERALS		
Calcium chloride	TF		VITAMINS & MINERALS		
Calcium citrate	JFo	1995	FOOD ACIDS		
Calcium hydroxide	JT	1995	MINERALS		
Calcium hypochlorite	JD	2006	SANITIZERS		
Calcium phosphate dibasic	HA	1995	LEAVENING AGENTS		
Calcium phosphate monobasic	HA	1995	LEAVENING AGENTS		
Calcium phosphate tribasic	HA	1995	LEAVENING AGENTS		
Carbon dioxide	JT	2006	GASES		
Carnauba Wax	ZS	-	FRUIT COATINGS		
Carob bean gum	ZS	1995	GUMS, THICKENING AGENTS		
Carrot juice color	MS	None	COLORS		
Casings	MS				
Celery powder	JD	None	MISC. INGREDIENTS		
Cherry juice color	MS	None	COLORS		
Chia (Salvia hispanica L.)	JD	None	MISC. INGREDIENTS		
Chlorine dioxide	JD	2006	SANITIZERS		
Chokeberry—Aronia juice color	MS	None	COLORS		
Citric acid	JFo	1995	FOOD ACIDS		
Cornstarch (native)	ZS	1995	GUMS, THICKENING AGENTS		

Dairy cultures	JFo	1995			
Diatomaceous earth	JR	1995	FILTERING AGENT		
Diglycerides	JR	1995	DRYING		
Dillweed oil	JD	None	MISC. INGREDIENTS		
Elderberry juice color	MS	None	COLORS		
Enzymes	JFo	2011			
Ethylene	JT	1999	GASES		
Ferrous sulfate	TF	1995	VITAMINS & MINERALS		
Fish oil	MS	None			
Flavors	MS	2005			
Fructooligosaccharides	JFo	2006	DAIRY ADDITIVES		
Galangal, frozen	JD	None	MISC. INGREDIENTS		
Gelatin	ZS	2002	GUMS, THICKENING AGENTS		
Glycerin	JR	2013	FILTERING AGENT		
Grape juice color	MS	None	COLORS		
Grape skin extract color	MS	None	COLORS		
Guar gum	ZS	1995	GUMS, THICKENING AGENTS		
Hydrogen peroxide	JD		SANITIZERS		
Inulin-oligofructose enriched	JFo	None	DAIRY ADDITIVES		
Kaolin	JR	1995	FILTERING AGENT		
Kelp	ZS	1995	GUMS, THICKENING AGENTS		
Konjac flour	ZS	None	GUMS, THICKENING AGENTS		
Lactic acid	JFo	1995	FOOD ACIDS		
Lecithin - de-oiled	ZS	2009	PRESERVATIVES, THICKENERS		
Lemongrass-frozen	JD	None	MISC. INGREDIENTS		
Locust bean gum	ZS	1995	GUMS, THICKENING AGENTS		
Magnesium carbonate	JT	1996	MINERALS		
Magnesium chloride	JT	1995	MINERALS		
Magnesium stearate	JR	1995	DRYING		
Magnesium sulfate	JT	2011	MINERALS		
Monoglycerides	JR	1995	DRYING		
Nitrogen	JT	1995	GASES		
Nutrient vitamins and minerals	TF	1995	VITAMINS & MINERALS		
Orange pulp, dried	JD	None	MISC. INGREDIENTS		
Orange Shellac	ZS	-	FRUIT COATINGS		
Oxygen	JT	1995	GASES		
Ozone	JD	2002	SANITIZERS		
Paprika color	MS	None	COLORS		
Pectin (non-amidated forms only)	ZS	2010	GUMS, THICKENING AGENTS		
Peppers (Chipotle chile)	JD	None	MISC. INGREDIENTS		
Perlite	JR	1996	FILTERING AGENT		

Phosphoric acid	JD		SANITIZERS		
Potassium acid tartrate	JT	1995	MINERALS		
Potassium carbonate	JT	1995	MINERALS		
Potassium chloride	TF		VITAMINS & MINERALS		
Potassium citrate	JT	1995	MINERALS		
Potassium iodide	TF	2011	VITAMINS & MINERALS		
Potassium phosphate	JT	1995	MINERALS		
Pumpkin juice color	MS	None	COLORS		
Purple potato juice	MS	None	COLORS		
Red cabbage extract color	MS	None	COLORS		
Red radish extract color	MS	None	COLORS		
Saffron extract color	MS	None	COLORS		
Seaweed, Pacific kombu	ZS	None	GUMS, THICKENING AGENTS		
Silicon dioxide	JR	2010	FILTERING AGENT		
Sodium bicarbonate	HA	1995	LEAVENING AGENTS		
Sodium carbonate	HA	1995	LEAVENING AGENTS		
Sodium citrate	JFo	1995	FOOD ACIDS		
Sodium hydroxide	JT	1995	MINERALS		
Sodium hypochlorite	JD	2006	SANITIZERS		
Sodium phosphates	JT	2001	MINERALS		
Sulfur dioxide	JD	2011	PRESERVATIVES, THICKENERS		
Sweet potato starch	ZS	None	GUMS, THICKENING AGENTS		
Tocopherols	TF	1995	PRESERVATIVES, THICKENERS		
Turkish bay leaves	JD	None	MISC. INGREDIENTS		
Turmeric extract color	MS	None	COLORS		
Wakame seaweed (Undaria pinnatifida)	ZS	None	GUMS, THICKENING AGENTS		
Whey protein concentrate	JFo	None	DAIRY ADDITIVES		
Wood rosin	ZS	-	FRUIT COATINGS		
Xanthan gum	ZS	1995	GUMS, THICKENING AGENTS		
Yeast	JFo	-			

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy or regulations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

**National Organic Standards Board (NOSB)
Handling Subcommittee (HS) Meeting Notes
Tuesday, June 17, 2014 1:00 pm ET**

Present: Harold Austin, Chair (HA), John Foster, Vice Chair (JFo), Zea Sonnabend (ZS), Tracy Favre (TF), Jean Richardson (JR), Joe Dickson (JD)

Absent: Mac Stone (MS), Jennifer Taylor (JT)

Staff: Michelle Arsenault (MA), Emily Brown Rosen (EBR)

Work Plan

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gibberellic acid Petition Addendum	Add to 205.605	ZS, TF	Yes	Petition sent to HS 07 27 12. Petition suff response due 09 27 12. Sent back to petitioner for additional questions 01 09 13. Rcvd response 04 16 13. On hold until post-harvest handling (PHH) draft guidance is published. Draft PHH published 04 25 14.		TBD
Whole algal flour Petition Addendum #1	205.606	HA		Petition sent to HS on 09 30 13. Petition suff (including TR Request, if applicable) due 11 29 13. Petition found insufficient. Sent addit'l Q's to petitioner. Pet. addendum sent to HS 01 22 14. Sufficiency due 02 25 14. Petition found "complete" 02 18 14		Proposal Fall 2014
2012 Ammonium hydroxide (boiler water additive)	Add to 205.605	JR	No 2001 TAP	2000 petition . 2001 Recommendation . 2001 Background Paper . 2012 Petition sent to HS 11 06 12. Petition Sufficiency Response Due Date: 01 27 13. Petition found sufficient 12 18 12. No TR requested. Original proposal revised for spring 2014 meeting.		Proposal Fall 2014
Glycerin CAS #(56-81-5)	Remove from 205.605(b)	TF	1995 TR 2013 TR	Petition sent to HS on 01 09 13. Sufficiency response due 03 11 13. TR sent to HS on 06 11 13. Sufficiency due 08 12 13. TR found suff 07 02 13		Proposal Fall 2014

Petitioned Substances

Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Polyalkylene glycol monobutyl ether PGME (PDF) (CAS # 9038-95-3) As a boiler water additive	205.605	JR	2013 TR	Petition sent to MS/HS 01 28 13. TR Requested 2 19 2013. Draft TR sent to HS 06 11 13. TR sufficiency response due 08 12 13. TR found sufficient 07 02 13. Discussion doc returned to HS for further review. Supplemental TR rqstd 05 20 14		Proposal Fall 2014
Triethyl Citrate (PDF)	205.605	JR	Y	Petition sent to HS 03 04 14. Rqst for Q's or TR due 05 06 14. TR requested 04 16 14		Proposal Fall 2014

2015 Sunsets § 205.605(a) and 205.606

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gellan gum CAS # 71010-52-1	205.605(a)	JD	Y	2006 TR , 2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Marsala	205.606(g)	TF	N	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Sherry	205.606(g)	TF	N	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Tragacanth CAS # 9000-65-1	205.606(x)	JD	N	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014

2016 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP Jan 2014)

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Egg white lysozyme CAS # 9001-63-2	205.605(a)	TF	No new TR 2011 TR 2003 TAP	Final Sunset Recommendation on Egg White Lysozyme on 205.605b (PDF) Nov 2009.		Summary: Fall 2014 Review: Spr 2015

Microorganisms	205.605	ZS	Y 2003 TAP	Final Sunset Recommendation on Microorganisms on 205.605b (PDF) Nov 2009. TR requested by NOP Aug 26 2013. TR sent to HS 01 23 14. TR suff due 03 25 14. TR found not sufficient	Summary: Fall 2014 Review: Spr 2015
Activated charcoal CAS #s 7440-44-0; 64365-11-3	205.605(b)	HA	No new TR 2002 TAP	Final Sunset Recommendation on Activated Charcoal on 205.605b (PDF) Nov 2009	Summary: Fall 2014 Review: Spr 2015
Peracetic acid CAS # 79-21-0	205.605(b))	JFo	No new TR request 2000 TAP	Final Sunset Recommendation on Peracetic Acid on 205.605b (PDF) Oct 2009	Summary: Fall 2014 Review: Spr 2015
Cyclohexylamine CAS # 108 -91-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Cyclohexylamine on 205.605b (PDF) Nov 2009. TR determination: 01 17 14	Summary: Fall 2014 Review: Spr 2015
Diethylaminoethanol CAS # 100-37-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Dethylaminoethanol on 205.605b (PDF) Nov 2009. TR determination: 01 17 14	Summary: Fall 2014 Review: Spr 2015
Octadecylamine CAS # 124-30-1	205.605(b)	TF	2001 TAP No new TR request	Final Sunset Recommendation on Octadecylamine on 205.605b (PDF) Nov. 2009.	Summary: Fall 2014 Review: Spr 2015
L-Malic acid CAS # 97 -67-6).	205.605(a)	JD	2003 TAP No new TR	Final Sunset Recommendation on L-Malic Acid on 205.605b (PDF) Nov 2009. TR determination: 01 17 14	Summary: Fall 2014 Review: Spr 2015

Sodium acid pyrophosphate CAS # 7758-16-9 2009 Expanded use	205.605(b)	JD	2001 TAP 2010 TR No New TR	Apr 2011 Subcomm recommendation April 2011 NOSB recommendation Final Sunset Recommendation on SAPP on 205.605b (PDF) Nov 2009		Summary: Fall 2014 Review: Spr 2015
Tetrasodium pyrophosphate (TSPP) CAS # 7722-88-5	205.605(b)	ZS	Y 2002 TR	Final Sunset Recommendation on TSPP on 205.605b (PDF) Nov 2009. Requested a limtd scope TR 01 12 14. Lmtd Scope TR sent to HS 06 11 14. TR sufficiency due 08 12 14		Summary: Fall 2014 Review: Spr 2015

2017 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP July 2014) – in progress (see table below for others)

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Yeast (2006) (PDF) Petition Supplement (2010) (PDF) Petition Memorandum (2010) (PDF)	205.605	JFo	Y	NOP 5014 – Certification of Organic Yeast (PDF) TAP – Yeast, Autolysate, 1995 TAP – Yeast, Bakers, 1995 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 NOSB Formal Rec (2010) NOSB Committee Rec (2010) NOSB Committee Rec (2007) 2014 TR sent to HS 01 22 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015

Carnauba Wax	205.605	ZS	Y	TAP for Fruit Waxes, 1996 (PDF) 2014 TR sent to HS 01 24 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.	Summary: Spr 2015 Review: Fall 2015
Orange Shellac	205.606	ZS	Y	TAP, 2002 (PDF) 2014 TR sent to HS 01 27 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.	Summary: Spr 2015 Review: Fall 2015
Wood rosin	205.606	ZS	Y	TR sent to HS on 01 24 14. Sufficiency due July 2014. TR found sufficient 06 03 14.	Summary: Spr 2015 Review: Fall 2015

Other projects			
Name	Contact	Notes*	Meeting
Ancillary Substances	ZS	Final Recommendation: Ancillary Substances (Auxiliary/"other" ingredients) (PDF)	Brief Update Spr 2014
BPA prohibition	ZS	Submitted briefing paper to NOP 01 12 14. Waiting for feedback from NOP	Discussion doc TBD

* **Highlight** indicates committee action needed.

Agenda

- Approve notes from June 3, 2014
- Discuss Research Priorities for fall 2014
- Discuss Nanotech issue/article
- 2017 Sunset TR determinations
 - Colors (MS)
 - Casing (MS)
 - Flavors (MS)
 - Filtering Agents (JR)
 - Drying Agents (JR)
 - Food Acids: Citric acid, Lactic acid, Calcium citrate, Sodium citrate (JFo)
 - Dairy cultures (JFo)
- Discuss 2016 Sunset materials for 1st posting
 - Paracetic acid (JFo)
 - Sodium acid pyrophosphate (JD)
 - L-Malic acid (JD)
 - Activated charcoal (HA)
- Status on Limited Scope TR for TSPP
- BPA Update
- Discuss potential panelists for Boiler Panel
- Schedule an additional HS call

- **Adjourn**

Discussion

- **Notes from June 3, 2014** were approved with no changes.
- **Research Priorities for fall 2014.** The group was asked to continue thinking about research topics. There has been increased interest in the research topics from consumer groups, the organic community and the USDA Organic Working Group.
- **Nanotech issue/article.** The NOP is currently working on a memo with regard to this topic. A member reminded the group about the Nanotechnology Consumer Products Inventory and that there was one particular brand on the list that is labelled organic. ZS will file a complaint as a concerned citizen. The Subcommittee does not need to take action at this time.
- **2017 Sunset TR determinations**
 - **Colors, Casings, Flavors (MS)** - postponed to next call.
 - **Filtering Agents (JR)**
 - Attapulgate - Non-synthetic. Listed with annotation. This material was recently reviewed and the information is up to date, so the HS is not recommending a new TR.
 - Bentonite - Non-synthetic. No petition. HS is not recommending a new TR.
 - Kaolin - Non-synthetic. No petition. HS is not recommending a new TR.
 - Diatomaceous Earth (DE) - Non-synthetic. No petition. 1995 TAP. Listed at 205.605 (a) with annotation “food filtering only”. HS is not recommending a new TR. The group would like to add a comment to the first posting in the spring of 2015 about the post harvest handling guidance and the use of DE in handling.
 - Glycerin - Synthetic. No petition, 1995 TAP. Listed at 205.605 (b) with annotation “produced by hydrolysis of fats and oils”. NOSB Sunset Recommendations to re-list: November 2005, and April 2010. A petition to remove (for Handling) was submitted in 2013, (TF is lead) and is under review. Members asked how to proceed with the sunset review in light of the new petition. The initial sunset review will occur at the spring 2015 meeting, so the decision on the petition at the fall 2014 meeting will affect the next steps.
 - Perlite - Non-synthetic. No petition. HS is not recommending a new TR. TAP September 1996. Listed at 205.605 (a) with annotation “for use only as a filter aid in food processing”. Used on Crops as well, and will add that comment to the first posting in the spring of 2015. HS is not recommending a new TR.
 - Silicon dioxide - Synthetic, carrier, defoamer, anticaking . No petition, 1996 TAP. Due to the date on which the final rule for silicon dioxide became effective, November 3, 2013, this substance now has a Sunset date of 2018. It will be removed from the HS workplan for now. (Table below was altered to reflect this change)
 - **Drying Agents (JR)**
 - Diglyceride and Monoglyceride - On National List as “Glycerides (mono and di). Synthetic. No Petition. 1995 TAP. Listed at 205.605(b) with annotation “for use only in drum drying of food”. The previous Board noted that extraction may be a source of considerable concern, and the alternatives are worse. The HS recommends a limited scope TR on extraction, and will include questions about use patterns and essentiality.
 - Magnesium Stearate - synthetic, anti-caking, lubricant. The HS will not recommend a new TR but feels that there were some manufacturing processing issues as well as

a question of essentiality. A member noted that they will find a lot of information on the web about this material. Another member feels they will not receive much information or feedback via public comment.

- **Food Acids (JFo):** Citric acid, Lactic acid, Calcium citrate, Sodium citrate (JFo). No TAPs since 1995. Usage patterns haven't changed in the past several years. The lead feels that because of the ease with which these were relisted in the past, they are of little concern and would place them in the 50-75 % range of need for TRs. If a TR is requested it should be for the group of materials. The National List Manager suggested two TRs: One for citric acid and its salts, and one for lactic acid and its salts. The group discussed grouping materials for the purpose of requesting a TR, and agreed that some things can easily be grouped while others not.
- **Dairy cultures (JFo)** - The lead reviewer indicated a concern about ancillary substances and feels this material will garner a lot of community attention and input. He recommends requesting one TR for ancillary substances and current species and strains in use, as well as their applicability.
- The NOP alerted the HS that they will soon receive two materials for review: Sodium lactate and Potassium lactate, which were petitioned in 2004. At that time the NOP determined that they did not need to be on list because they were formulated from materials already on the list. Based on new Materials Classification Guidance, NOP will ask the NOSB to review these substances.
- **Discuss 2016 Sunset materials for first posting (fall 2014)**
 - **Paracetic acid (JFo)** - postponed to July 1. No separate Board recommendations were produced at this time, so any early information will be found in the minutes for the meeting at which it was approved for listing.
 - **Sodium acid pyrophosphate (JD)** - No separate Board recommendations were produced at this time, so any early information will be found in the meeting minutes. The HS will include questions about essentiality and need when the summary is posted for public comment.
 - **L-Malic acid (JD)** - The group discussed the inclusion of some standardized language for questions to include in the summary posting. HA will send this language to JD and the HS.
 - **Activated charcoal (HA)** - postponed to July 1
- **Status on Limited Scope TR for TSPP** - postponed to July 1
- **BPA Update** - postponed to July 1
- **Discuss potential panelists for panel on Boiler Additives.** HA will send EBR a list of candidates. The NOP also had a couple of recommendations and will forward those to the HS Chair.
- An additional HS call was scheduled for July 8 at 2:00pm ET
- **The meeting was adjourned**

[Previous HS Notes](#)

Future Call Schedule

June 3, 2014 1:00 ET

Discuss 2016 Sunset Reviews:

Octadecylamine (TF)

Egg white lysozyme (TF)

Activated charcoal (HA)

Diethylaminoethanol (JT)

Cyclohexamine (JT)

Discuss 2017 Sunset TR determinations

Colors (MS)

Casing (MS)

Flavors (MS)

Discuss 2017 Sunset TR sufficiency

Yeast TR sufficiency determination (JFo)

Fruit Coatings (Carnauba wax, wood rosin, orange shellac) (ZS)

June 17, 2014 1:00 ET

Discuss Research Priorities for fall 2014

Discuss Nanotech issue/article

2017 Sunset TR determinations

Colors (MS) - postponed to July 1

Casing (MS) - postponed to July 1

Flavors (MS) - postponed to July 1

Filtering Agents (JR)

Drying Agents (JR)

Food Acids: Citric acid, Lactic acid, Calcium citrate, Sodium citrate (JFo)

Dairy cultures (JFo)

Discuss 2016 Sunset materials for first posting (fall 2014)

Paracetic acid (JFo) - postponed to July 1

Sodium acid pyrophosphate (JD)

L-Malic acid (JD)

Activated charcoal (HA) - postponed to July 1

Status on Limited Scope TR for TSPP - postponed to July 1

BPA Update - postponed to July 1

Discuss potential panelists for Boiler Panel

Schedule an additional HS call - done. See below

July 1, 2014 1:00 ET

2017 Sunset TR determinations

Colors (MS)

Casing (MS)

Flavors (MS)

Status on Limited Scope TR for TSPP

BPA Update

Discuss potential panelists for Boiler Panel

Discuss Glycerin draft proposal (TF)

Discuss 2017 Sunsets/determine need for TRs:

Gums, thickening agents (ZS)

Preservatives, Thickening agents [Lecithin (ZS), Sulfur dioxide (JD), tocopherols (TF)]

Leavening agents (HA)

Minerals (JT)

Sanitizers (JD)

Vitamins & Minerals (TF)

Gases (JT)

Discuss 2016 Sunset materials for first posting (fall 2014)

Paracetic acid (JFo)

Activated charcoal (HA)

July 8, 2014 replaces PDS call at 2:00

July 15, 2014 1:00 ET

Discuss 2017 Sunsets/determine need for TRs:

Misc Ingredients (JD)

Prioritize TRs
 Research priorities discussion
 Aug 5, 2014 1:00 ET
 Discuss 4 2015 Sunset proposals: Marsala, Sherry, Tragacanth and Gellen Gum
 Research priorities finalization
 Aug 19, 2014 1:00 ET
 Sep 2, 2014 1:00 ET
 Sep 16, 2014 1:00 ET
 Oct 7, 2014 1:00 ET
 Oct 21, 2014 1:00 ET
 Nov 4, 2014 1:00 ET
 Nov 18, 2014 1:00 ET

Fall 2014 Milestones	Target date
NOSB Subcommittee requests technical reports for Sunset 2017 substances	Jul 15, 2014
NOP - Complete tentative agenda	Aug 7, 2014
NOSB - Fall 2014 proposals due to NOP	Aug 27, 2014
NOP - Post proposals, Publish FRN, Open public comment	Sep 8, 2014
NOSB Subcommittees - submit tentative workplans to NOP	Sept 11, 2014
Discuss workplans on ES call	Sept 12, 2014
Public comment closes	Oct 7, 2014
Workplans finalized on ES call (last call before fall mtg)	Oct 17, 2014
NOP - Send compiled public comments to NOSB	Oct 13, 2014
Fall 2014 NOSB Meeting – Louisville, KY	Oct 27 - Oct 31

2017 Sunsets (TR requests due to NOP July 2014)

Substance * Highlight = Multiple listings * Greyed out = moved to table above as they are reviewed	Contact	TR	Misc notes	Vote	Meeting
Acidified sodium chlorite	JD	2008	SANITIZERS		Summary: Spr 2015 Review: Fall 2015
Alginate	ZS	1995	GUMS, THICKENING AGENTS		
Alginic acid	TF	none			
Ammonium bicarbonate	HA	2004	LEAVENING AGENTS		
Ammonium carbonate	HA	1995	LEAVENING AGENTS		
Arabic gum	ZS	1995	GUMS, THICKENING AGENTS		
Ascorbic acid	TF	1995	VITAMINS & MINERALS		
Attapulgate	JR	2010	FILTERING AGENT		
Beet juice extract color	MS	None	COLORS		
Bentonite	JR	1995	FILTERING AGENT		
Black currant juice color	MS	None	COLORS		
Black/Purple carrot juice color	MS	None	COLORS		
Blueberry juice color	MS	None	COLORS		
Calcium carbonate	JT	1995	MINERALS		
Calcium chloride	TF		VITAMINS & MINERALS		
Calcium citrate	JFo	1995	FOOD ACIDS		
Calcium hydroxide	JT	1995	MINERALS		
Calcium hypochlorite	JD	2006	SANITIZERS		
Calcium phosphate dibasic	HA	1995	LEAVENING AGENTS		
Calcium phosphate monobasic	HA	1995	LEAVENING AGENTS		
Calcium phosphate tribasic	HA	1995	LEAVENING AGENTS		
Carbon dioxide	JT	2006	GASES		
Carnauba Wax	ZS	-	FRUIT COATINGS		
Carob bean gum	ZS	1995	GUMS, THICKENING AGENTS		
Carrot juice color	MS	None	COLORS		
Casings	MS				
Celery powder	JD	None	MISC. INGREDIENTS		
Cherry juice color	MS	None	COLORS		
Chia (Salvia hispanica L.)	JD	None	MISC. INGREDIENTS		
Chlorine dioxide	JD	2006	SANITIZERS		
Chokeberry—Aronia juice color	MS	None	COLORS		
Citric acid	JFo	1995	FOOD ACIDS		
Cornstarch (native)	ZS	1995	GUMS, THICKENING AGENTS		

Dairy cultures	JFo	1995			
Diatomaceous earth	JR	1995	FILTERING AGENT		
Diglycerides	JR	1995	DRYING		
Dillweed oil	JD	None	MISC. INGREDIENTS		
Elderberry juice color	MS	None	COLORS		
Enzymes	JFo	2011			
Ethylene	JT	1999	GASES		
Ferrous sulfate	TF	1995	VITAMINS & MINERALS		
Fish oil	MS	None			
Flavors	MS	2005			
Fructooligosaccharides	JFo	2006	DAIRY ADDITIVES		
Galangal, frozen	JD	None	MISC. INGREDIENTS		
Gelatin	ZS	2002	GUMS, THICKENING AGENTS		
Glycerin	JR	2013	FILTERING AGENT		
Grape juice color	MS	None	COLORS		
Grape skin extract color	MS	None	COLORS		
Guar gum	ZS	1995	GUMS, THICKENING AGENTS		
Hydrogen peroxide	JD		SANITIZERS		
Inulin-oligofructose enriched	JFo	None	DAIRY ADDITIVES		
Kaolin	JR	1995	FILTERING AGENT		
Kelp	ZS	1995	GUMS, THICKENING AGENTS		
Konjac flour	ZS	None	GUMS, THICKENING AGENTS		
Lactic acid	JFo	1995	FOOD ACIDS		
Lecithin - de-oiled	ZS	2009	PRESERVATIVES, THICKENERS		
Lemongrass-frozen	JD	None	MISC. INGREDIENTS		
Locust bean gum	ZS	1995	GUMS, THICKENING AGENTS		
Magnesium carbonate	JT	1996	MINERALS		
Magnesium chloride	JT	1995	MINERALS		
Magnesium stearate	JR	1995	DRYING		
Magnesium sulfate	JT	2011	MINERALS		
Monoglycerides	JR	1995	DRYING		
Nitrogen	JT	1995	GASES		
Nutrient vitamins and minerals	TF	1995	VITAMINS & MINERALS		
Orange pulp, dried	JD	None	MISC. INGREDIENTS		
Orange Shellac	ZS	-	FRUIT COATINGS		
Oxygen	JT	1995	GASES		
Ozone	JD	2002	SANITIZERS		
Paprika color	MS	None	COLORS		
Pectin (non-amidated forms only)	ZS	2010	GUMS, THICKENING AGENTS		
Peppers (Chipotle chile)	JD	None	MISC. INGREDIENTS		
Perlite	JR	1996	FILTERING AGENT		

Phosphoric acid	JD		SANITIZERS		
Potassium acid tartrate	JT	1995	MINERALS		
Potassium carbonate	JT	1995	MINERALS		
Potassium chloride	TF		VITAMINS & MINERALS		
Potassium citrate	JT	1995	MINERALS		
Potassium iodide	TF	2011	VITAMINS & MINERALS		
Potassium phosphate	JT	1995	MINERALS		
Pumpkin juice color	MS	None	COLORS		
Purple potato juice	MS	None	COLORS		
Red cabbage extract color	MS	None	COLORS		
Red radish extract color	MS	None	COLORS		
Saffron extract color	MS	None	COLORS		
Seaweed, Pacific kombu	ZS	None	GUMS, THICKENING AGENTS		
Silicon dioxide	JR	2010	FILTERING AGENT	November 2018 sunset date, not 2017	
Sodium bicarbonate	HA	1995	LEAVENING AGENTS		
Sodium carbonate	HA	1995	LEAVENING AGENTS		
Sodium citrate	JFo	1995	FOOD ACIDS		
Sodium hydroxide	JT	1995	MINERALS		
Sodium hypochlorite	JD	2006	SANITIZERS		
Sodium phosphates	JT	2001	MINERALS		
Sulfur dioxide	JD	2011	PRESERVATIVES, THICKENERS		
Sweet potato starch	ZS	None	GUMS, THICKENING AGENTS		
Tocopherols	TF	1995	PRESERVATIVES, THICKENERS		
Turkish bay leaves	JD	None	MISC. INGREDIENTS		
Turmeric extract color	MS	None	COLORS		
Wakame seaweed (Undaria pinnatifida)	ZS	None	GUMS, THICKENING AGENTS		
Whey protein concentrate	JFo	None	DAIRY ADDITIVES		
Wood rosin	ZS	-	FRUIT COATINGS		
Xanthan gum	ZS	1995	GUMS, THICKENING AGENTS		
Yeast	JFo	-			

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy or regulations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

**National Organic Standards Board (NOSB)
Handling Subcommittee (HS) Meeting Notes
Tuesday, July 1, 2014 1:00 pm ET**

Present: Harold Austin, Chair (HA), John Foster, Vice Chair (JFo), Zea Sonnabend (ZS), Tracy Favre (TF), Jean Richardson (JR), Jennifer Taylor (JT), Joe Dickson (JD)

Absent: Mac Stone (MS)

Staff: Michelle Arsenault (MA), Emily Brown Rosen (EBR)

Work Plan

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gibberellic acid Petition Addendum	Add to 205.605	ZS, TF	Yes	Petition sent to HS 07 27 12. Petition suff response due 09 27 12. Sent back to petitioner for additional questions 01 09 13. Rcvd response 04 16 13. On hold until post-harvest handling (PHH) draft guidance is published. Draft PHH published 04 25 14.		TBD
Whole algal flour Petition Addendum #1	205.606	HA		Petition sent to HS on 09 30 13. Petition suff (including TR Request, if applicable) due 11 29 13. Petition found insufficient. Sent addit'l Q's to petitioner. Pet. addendum sent to HS 01 22 14. Sufficiency due 02 25 14. Petition found "complete" 02 18 14		Proposal Fall 2014
2012 Ammonium hydroxide (boiler water additive)	Add to 205.605	JR	No 2001 TAP	2000 petition . 2001 Recommendation . 2001 Background Paper . 2012 Petition sent to HS 11 06 12. Petition Sufficiency Response Due Date: 01 27 13. Petition found sufficient 12 18 12. No TR requested. Original proposal revised for spring 2014 meeting.		Proposal Fall 2014
Glycerin CAS #(56-81-5)	Remove from 205.605(b)	TF	1995 TR 2013 TR	Petition sent to HS on 01 09 13. Sufficiency response due 03 11 13. TR sent to HS on 06 11 13. Sufficiency due 08 12 13. TR found suff 07 02 13		Proposal Fall 2014

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Polyalkylene glycol monobutyl ether PGME (PDF) (CAS # 9038-95-3) As a boiler water additive	205.605	JR	2013 TR	Petition sent to MS/HS 01 28 13. TR Requested 2 19 2013. Draft TR sent to HS 06 11 13. TR sufficiency response due 08 12 13. TR found sufficient 07 02 13. Discussion doc returned to HS for further review. Supplemental TR rqstd 05 20 14		Proposal Fall 2014
Triethyl Citrate (PDF)	205.605	JR	Y	Petition sent to HS 03 04 14. Rqst for Q's or TR due 05 06 14. TR requested 04 16 14		Proposal Fall 2014
Sodium Lactate	205.605			Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition.		TBD
Potassium Lactate	205.605			Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition.		TBD

2015 Sunsets § 205.605(a) and 205.606						
Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gellan gum CAS # 71010-52-1	205.605(a)	JD	Y	2006 TR , 2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Marsala	205.606(g)	TF	N	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Sherry	205.606(g)	TF	N	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Tragacanth CAS # 9000-65-1	205.606(x)	JD	N	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014

2016 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP Jan 2014)						
Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Egg white lysozyme CAS # 9001-63-2	205.605(a)	TF	No new TR 2011 TR 2003 TAP	Final Sunset Recommendation on Egg White Lysozyme on 205.605b (PDF) Nov 2009.		Summary: Fall 2014 Review: Spr 2015

Microorganisms	205.605	ZS	Y 2003 TAP	Final Sunset Recommendation on Microorganisms on 205.605b (PDF) Nov 2009. TR requested by NOP Aug 26 2013. TR sent to HS 01 23 14. TR suff due 03 25 14. TR found not sufficient	Summary: Fall 2014 Review: Spr 2015
Activated charcoal CAS #s 7440-44-0; 64365-11-3	205.605(b)	HA	No new TR 2002 TAP	Final Sunset Recommendation on Activated Charcoal on 205.605b (PDF) Nov 2009	Summary: Fall 2014 Review: Spr 2015
Peracetic acid CAS # 79-21-0	205.605(b))	JFo	No new TR request 2000 TAP	Final Sunset Recommendation on Peracetic Acid on 205.605b (PDF) Oct 2009	Summary: Fall 2014 Review: Spr 2015
Cyclohexylamine CAS # 108 -91-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Cyclohexylamine on 205.605b (PDF) Nov 2009. TR determination: 01 17 14	Summary: Fall 2014 Review: Spr 2015
Diethylaminoethanol CAS # 100-37-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Dethylaminoethanol on 205.605b (PDF) Nov 2009. TR determination: 01 17 14	Summary: Fall 2014 Review: Spr 2015
Octadecylamine CAS # 124-30-1	205.605(b)	TF	2001 TAP No new TR request	Final Sunset Recommendation on Octadecylamine on 205.605b (PDF) Nov. 2009.	Summary: Fall 2014 Review: Spr 2015
L-Malic acid CAS # 97 -67-6).	205.605(a)	JD	2003 TAP No new TR	Final Sunset Recommendation on L-Malic Acid on 205.605b (PDF) Nov 2009. TR determination: 01 17 14	Summary: Fall 2014 Review: Spr 2015

Sodium acid pyrophosphate CAS # 7758-16-9 2009 Expanded use	205.605(b)	JD	2001 TAP 2010 TR No New TR	Apr 2011 Subcomm recommendation April 2011 NOSB recommendation Final Sunset Recommendation on SAPP on 205.605b (PDF) Nov 2009		Summary: Fall 2014 Review: Spr 2015
Tetrasodium pyrophosphate (TSPP) CAS # 7722-88-5	205.605(b)	ZS	Y 2002 TR	Final Sunset Recommendation on TSPP on 205.605b (PDF) Nov 2009. Requested a limtd scope TR 01 12 14. Lmtd Scope TR sent to HS 06 11 14. TR sufficiency due 08 12 14		Summary: Fall 2014 Review: Spr 2015

2017 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP July 2014) – in progress (see table below for others)

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Yeast (2006) (PDF) Petition Supplement (2010) (PDF) Petition Memorandum (2010) (PDF)	205.605	JFo	Y	NOP 5014 – Certification of Organic Yeast (PDF) TAP – Yeast, Autolysate, 1995 TAP – Yeast, Bakers, 1995 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 NOSB Formal Rec (2010) NOSB Committee Rec (2010) NOSB Committee Rec (2007) 2014 TR sent to HS 01 22 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015

Carnauba Wax	205.605	ZS	Y	TAP for Fruit Waxes, 1996 (PDF) 2014 TR sent to HS 01 24 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.	Summary: Spr 2015 Review: Fall 2015
Orange Shellac	205.606	ZS	Y	TAP, 2002 (PDF) 2014 TR sent to HS 01 27 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.	Summary: Spr 2015 Review: Fall 2015
Wood rosin	205.606	ZS	Y	TR sent to HS on 01 24 14. Sufficiency due July 2014. TR found sufficient 06 03 14.	Summary: Spr 2015 Review: Fall 2015

Other projects			
Name	Contact	Notes*	Meeting
Ancillary Substances	ZS	Final Recommendation: Ancillary Substances (Auxiliary/"other" ingredients) (PDF)	Brief Update Spr 2014
BPA prohibition	ZS	Submitted briefing paper to NOP 01 12 14. Waiting for feedback from NOP	Discussion doc TBD

* **Highlight** indicates committee action needed.

Agenda

- Approve notes from June 17, 2014
- Discuss 2017 Sunset TR determinations
 - Colors (MS) (17 in group)
 - Casing (MS)
 - Flavors (MS)
 - Gums, thickening agents (ZS) - Alginates, Arabic gum, Carob bean gum, Cornstarch (native), Gelatin, Guar gum, Kelp, Konjac flour, Locust bean gum, Pectin (non-amidated forms only), Seaweed, Pacific kombu, Sweet potato starch, Wakame seaweed (Undaria pinnatifida), Xanthan gum
 - Preservatives, Thickening agents [Lecithin (ZS), Sulfur dioxide (JD), tocopherols (TF)]
 - Leavening agents (HA) - Ammonium bicarbonate, Ammonium carbonate, Calcium phosphate, dibasic, Calcium phosphate monobasic, Calcium phosphate tribasic, Sodium bicarbonate, Sodium carbonate
 - Minerals (JT) - Calcium carbonate, Calcium hydroxide, Magnesium carbonate, Magnesium chloride, Magnesium sulfate, Potassium acid tartrate, Potassium carbonate, Potassium citrate, Potassium phosphate, Sodium hydroxide, Sodium phosphates,
 - Sanitizers (JD) - Acidified sodium chlorite, Calcium hypochlorite, Chlorine dioxide, Hydrogen peroxide, Ozone, Phosphoric acid, Sodium hypochlorite
 - Vitamins & Minerals (TF) - Ascorbic acid, Calcium chloride, Ferrous sulfate, Nutrient vitamins and minerals, Potassium chloride, Potassium iodide
 - Gases (JT) - Carbon dioxide, Ethylene, Nitrogen, Oxygen

- Status on Limited Scope TR for TSPP
- BPA Update
- Discuss potential panelists for Boiler Panel
- Discuss Glycerin draft proposal (TF)
- Discuss 2016 Sunset materials for first posting (fall 2014)
 - Peracetic acid (JFo)
 - Activated charcoal (HA)
- **Adjourn**

Discussion

- **Notes from June 17, 2014** were approved with no changes.
- **Discuss 2017 Sunset TR determinations**
 - **Colors (MS)**. 17 in group. Postponed to July 8
 - **Casing (MS)**. Postponed to July 8
 - **Flavors (MS)**. Postponed to July 8
 - **Gums, thickening agents (ZS)**. The lead recommended one full TR, and possibly 3 limited scope TRs.
 - Alginates. New full TR recommended. Alginates is not a common term found on labels and the group discussed essentiality.
 - Arabic gum, Carob bean gum, Guar gum, Locust bean gum. The 1995 TR is not robust and didn't address some items. A limited scope TR is recommended
 - Cornstarch (native). Although the last TAP is from 1995, no new TR is needed. The Subcommittee would like to seek information about commercial availability.
 - Gelatin. The last TAP was from 1995. The petitions are for fish gelatin but all gelatins were added to list. The group feels that no new TR is needed.
 - Kelp. Placed on the National List on 205.606 as an agricultural product. The group discussed the classification and taxonomy of kelp, and its relationship to Kombu and Wakame. The NOP suggested reviewing them as 3 different materials and not combining them. No new TR will be requested.
 - Seaweed, Pacific Kombu. See Kelp discussion above
 - Wakame seaweed (*Undaria pinnatifida*). See Kelp discussion above
 - Konjac flour. No new TR needed.
 - Pectin (non-amidated forms only). A review of the ancillary substances may be warranted.
 - Sweet potato starch. No TR needed.
 - Xanthan gum. A limited scope TR is recommended. The 1995 TAP couldn't determine classification (synthetic/non synthetic).
 - **Preservatives, Thickening agents.**
 - Lecithin (ZS). No TR needed. Extracted with hexane, and the group indicated that perhaps this warrants further discussion of the materials classification guidance.
 - Sulfur dioxide (JD). This material sunsetted in 2010, and was discussed again in 2011. As such there is a recent detailed TR and no need for a new one.
 - Tocopherols (TF). Scheduled for July 8
 - **Leavening agents (HA)**. The lead noted that the original TAPs were well done.
 - Ammonium bicarbonate. No new TR will be requested as the lead feels it is a low priority. §205.605 allowed synthetic. Original TAP was done in 1995. NOSB Meeting

Petition Review: April 95. Re-listed in 2005 and 2010. Approved for use internationally as a food additive. Is generally regarded as safe (GRAS) by FDA. There currently is no organic alternative. No human health or environmental concerns. Any questions can be addressed through public comments during the first posting in spring 2015.

- Ammonium carbonate. See ammonium bicarbonate above.
- Calcium phosphate (dibasic, monobasic, tribasic). Could request a new TR but it is not a top priority. §205.605 allowed synthetic. Original TAP was done in 1995. NOSB meeting petition review: April 95. Re-listed in 2005 and 2010. Found to be of little concern to the environment, human health. Low toxicity, and of low concern for environmental contamination during manufacture. A reviewer did mention a concern that the raw materials come from mining. Any questions can be addressed through public comments during the first posting in spring 2015.
- Sodium bicarbonate, Sodium carbonate. No new TR request/low priority. Listed on §205.605 as an allowed synthetic. Original TAP was done in 1995. NOSB meeting petition review: April 95. Re-listed in 2005 and 2010. Found it did not pose a risk to human health or the environment, either from use or manufacture. Approved for use internationally (IFOAM, EU, and Codex).
- **Minerals (JT)**
 - Calcium carbonate (chalk, limestone). Low priority for TR.
 - Calcium hydroxide. The lead suggested requesting a new TR as the old TAP (1995) indicated concerns about toxicity and the manufacturing process. JT will review this further and report back to the group July 8. Perhaps posting questions for public comment will suffice.
 - Magnesium carbonate - postponed to July 8
 - Magnesium chloride - postponed to July 8
 - Magnesium sulfate. Last TR was completed in 2011, so the group feels this is a low priority for a new TR. A member noted that magnesium sulfate for crops is listed as synthetic, but for handling it is not. When mined, it is non synthetic, but in the marketplace the synthetic form is used. JT, HA and ZS will review the TR further to determine which form is being used. The members noted that information about the source will be available in a TR, but commercial availability information will come via public comment. The HS Chair suggested a limited scope TR and the group will continue the discussion on either July 8 or 15.
 - Potassium acid tartrate - postponed to July 8
 - Potassium carbonate - postponed to July 8
 - Potassium citrate - postponed to July 8
 - Potassium phosphate - postponed to July 8
 - Sodium hydroxide - postponed to July 8
 - Sodium phosphates - postponed to July 8
- **Sanitizers (JD)** - Acidified sodium chlorite, Calcium hypochlorite, Chlorine dioxide, Hydrogen peroxide, Ozone, Phosphoric acid, Sodium hypochlorite - postponed to July 8
- **Vitamins & Minerals (TF)** - Ascorbic acid, Calcium chloride, Ferrous sulfate, Nutrient vitamins and minerals, Potassium chloride, Potassium iodide - postponed to July 8
- **Gases (JT)** - Carbon dioxide, Ethylene, Nitrogen, Oxygen - postponed to July 8
- **Status on Limited Scope TR for TSPP** - postponed
- **BPA Update** - postponed
- **Discuss potential panelists for Boiler Panel** - postponed
- **Discuss Glycerin draft proposal (TF)** - postponed

- **Discuss 2016 Sunset materials for first posting (fall 2014)**
 - Peracetic acid (JFo) - postponed
 - Activated charcoal (HA). §205.605(b), synthetics allowed. Used as a filtering aid to filter impurities out of grape juice, and as a processing aid. Original TAP was done in 2002 and it was determined that it fully met the criteria for §205.605(b). Activated charcoal is approved for use by Codex, the E.U., and IFoam. The HS will include 4 targeted questions in the first posting of the materials
- **The meeting was adjourned**

[Previous HS Notes](#)

Future Call Schedule

June 17, 2014 1:00 ET

Discuss Research Priorities for fall 2014

Discuss Nanotech issue/article

2017 Sunset TR determinations

Colors (MS) - postponed to July 1

Casing (MS) - postponed to July 1

Flavors (MS) - postponed to July 1

Filtering Agents (JR)

Drying Agents (JR)

Food Acids: Citric acid, Lactic acid, Calcium citrate, Sodium citrate (JFo)

Dairy cultures (JFo)

Discuss 2016 Sunset materials for first posting (fall 2014)

Peracetic acid (JFo) - postponed to July 1

Sodium acid pyrophosphate (JD)

L-Malic acid (JD)

Activated charcoal (HA) - postponed to July 1

Status on Limited Scope TR for TSPP - postponed to July 1

BPA Update - postponed to July 1

Discuss potential panelists for Boiler Panel

Schedule an additional HS call - done. See below

July 1, 2014 1:00 ET

2017 Sunset TR determinations

Colors (MS) - postponed to July 8

Casing (MS) - postponed to July 8

Flavors (MS) - postponed to July 8

Gums, thickening agents (ZS) - done

Preservatives, Thickening agents (Lecithin (ZS), Sulfur dioxide) - done

Leavening agents (HA) - done

Minerals (JT) - will complete on July 8

Sanitizers (JD) - postponed to July 8

Vitamins & Minerals (TF) - postponed to July 8

Gases (JT) - postponed to July 8

Status on Limited Scope TR for TSPP - postponed

BPA Update - postponed

Discuss potential panelists for Boiler Panel - postponed

Discuss Glycerin draft proposal (TF) - postponed

Discuss 2016 Sunset materials for first posting (fall 2014) - postponed to July 8

Peracetic acid (JFo) –postponed to July 8
 Activated charcoal (HA) - done

July 8, 2014 replaces PDS call at 2:00

Continue discussion of 2017 TR determinations
 Assign reviewers for sodium lactate and potassium lactate
 Tocopherols

July 15, 2014 1:00 ET (TF out of office)

Discuss 2017 Sunsets/determine need for TRs:
 Misc Ingredients (JD)
 Prioritize TRs and finalize them.
 Research priorities discussion

Aug 5, 2014 1:00 ET

Discuss 4 2015 Sunset proposals: Marsala, Sherry, Tragacanth and Gellen Gum
 Research priorities finalization

Aug 19, 2014 1:00 ET

Sep 2, 2014 1:00 ET

Sep 16, 2014 1:00 ET

Oct 7, 2014 1:00 ET

Oct 21, 2014 1:00 ET

Nov 4, 2014 1:00 ET

Nov 18, 2014 1:00 ET

Fall 2014 Milestones	Target date
NOSB Subcommittee requests technical reports for Sunset 2017 substances	Jul 15, 2014
NOP - Complete tentative agenda	Aug 7, 2014
NOSB - Fall 2014 proposals due to NOP	Aug 27, 2014
NOP - Post proposals, Publish FRN, Open public comment	Sep 8, 2014
NOSB Subcommittees - submit tentative workplans to NOP	Sept 11, 2014
Discuss workplans on ES call	Sept 12, 2014
Public comment closes	Oct 7, 2014
Workplans finalized on ES call (last call before fall mtg)	Oct 17, 2014
NOP - Send compiled public comments to NOSB	Oct 13, 2014
Fall 2014 NOSB Meeting – Louisville, KY	Oct 27 - Oct 31

2017 Sunsets (TR requests due to NOP July 2014)

Substance * Highlight = Multiple listings * Greyed out = moved to table above as they are reviewed	Contact	TR	Misc notes	Vote	Meeting
Acidified sodium chlorite	JD	2008	SANITIZERS		Summary: Spr 2015 Review: Fall 2015
Alginates	ZS	1995	GUMS, THICKENING AGENTS		
Alginic acid	TF	none			
Ammonium bicarbonate	HA	2004	LEAVENING AGENTS		
Ammonium carbonate	HA	1995	LEAVENING AGENTS		
Arabic gum	ZS	1995	GUMS, THICKENING AGENTS		
Ascorbic acid	TF	1995	VITAMINS & MINERALS		
Attapulgate	JR	2010	FILTERING AGENT		
Beet juice extract color	MS	None	COLORS		
Bentonite	JR	1995	FILTERING AGENT		
Black currant juice color	MS	None	COLORS		
Black/Purple carrot juice color	MS	None	COLORS		
Blueberry juice color	MS	None	COLORS		
Calcium carbonate	JT	1995	MINERALS		
Calcium chloride	TF		VITAMINS & MINERALS		
Calcium citrate	JFo	1995	FOOD ACIDS		
Calcium hydroxide	JT	1995	MINERALS		
Calcium hypochlorite	JD	2006	SANITIZERS		
Calcium phosphate dibasic	HA	1995	LEAVENING AGENTS		
Calcium phosphate monobasic	HA	1995	LEAVENING AGENTS		
Calcium phosphate tribasic	HA	1995	LEAVENING AGENTS		
Carbon dioxide	JT	2006	GASES		
Carnauba Wax	ZS	-	FRUIT COATINGS		
Carob bean gum	ZS	1995	GUMS, THICKENING AGENTS		
Carrot juice color	MS	None	COLORS		
Casings	MS				
Celery powder	JD	None	MISC. INGREDIENTS		
Cherry juice color	MS	None	COLORS		
Chia (Salvia hispanica L.)	JD	None	MISC. INGREDIENTS		
Chlorine dioxide	JD	2006	SANITIZERS		
Chokeberry—Aronia juice color	MS	None	COLORS		
Citric acid	JFo	1995	FOOD ACIDS		
Cornstarch (native)	ZS	1995	GUMS, THICKENING AGENTS		

Dairy cultures	JFo	1995			
Diatomaceous earth	JR	1995	FILTERING AGENT		
Diglycerides	JR	1995	DRYING		
Dillweed oil	JD	None	MISC. INGREDIENTS		
Elderberry juice color	MS	None	COLORS		
Enzymes	JFo	2011			
Ethylene	JT	1999	GASES		
Ferrous sulfate	TF	1995	VITAMINS & MINERALS		
Fish oil	MS	None			
Flavors	MS	2005			
Fructooligosaccharides	JFo	2006	DAIRY ADDITIVES		
Galangal, frozen	JD	None	MISC. INGREDIENTS		
Gelatin	ZS	2002	GUMS, THICKENING AGENTS		
Glycerin	JR	2013	FILTERING AGENT		
Grape juice color	MS	None	COLORS		
Grape skin extract color	MS	None	COLORS		
Guar gum	ZS	1995	GUMS, THICKENING AGENTS		
Hydrogen peroxide	JD		SANITIZERS		
Inulin-oligofructose enriched	JFo	None	DAIRY ADDITIVES		
Kaolin	JR	1995	FILTERING AGENT		
Kelp	ZS	1995	GUMS, THICKENING AGENTS		
Konjac flour	ZS	None	GUMS, THICKENING AGENTS		
Lactic acid	JFo	1995	FOOD ACIDS		
Lecithin - de-oiled	ZS	2009	PRESERVATIVES, THICKENERS		
Lemongrass-frozen	JD	None	MISC. INGREDIENTS		
Locust bean gum	ZS	1995	GUMS, THICKENING AGENTS		
Magnesium carbonate	JT	1996	MINERALS		
Magnesium chloride	JT	1995	MINERALS		
Magnesium stearate	JR	1995	DRYING		
Magnesium sulfate	JT	2011	MINERALS		
Monoglycerides	JR	1995	DRYING		
Nitrogen	JT	1995	GASES		
Nutrient vitamins and minerals	TF	1995	VITAMINS & MINERALS		
Orange pulp, dried	JD	None	MISC. INGREDIENTS		
Orange Shellac	ZS	-	FRUIT COATINGS		
Oxygen	JT	1995	GASES		
Ozone	JD	2002	SANITIZERS		
Paprika color	MS	None	COLORS		
Pectin (non-amidated forms only)	ZS	2010	GUMS, THICKENING AGENTS		
Peppers (Chipotle chile)	JD	None	MISC. INGREDIENTS		
Perlite	JR	1996	FILTERING AGENT		

Phosphoric acid	JD		SANITIZERS		
Potassium acid tartrate	JT	1995	MINERALS		
Potassium carbonate	JT	1995	MINERALS		
Potassium chloride	TF		VITAMINS & MINERALS		
Potassium citrate	JT	1995	MINERALS		
Potassium iodide	TF	2011	VITAMINS & MINERALS		
Potassium phosphate	JT	1995	MINERALS		
Pumpkin juice color	MS	None	COLORS		
Purple potato juice	MS	None	COLORS		
Red cabbage extract color	MS	None	COLORS		
Red radish extract color	MS	None	COLORS		
Saffron extract color	MS	None	COLORS		
Seaweed, Pacific kombu	ZS	None	GUMS, THICKENING AGENTS		
Silicon dioxide	JR	2010	FILTERING AGENT	November 2018 sunset date, not 2017	
Sodium bicarbonate	HA	1995	LEAVENING AGENTS		
Sodium carbonate	HA	1995	LEAVENING AGENTS		
Sodium citrate	JFo	1995	FOOD ACIDS		
Sodium hydroxide	JT	1995	MINERALS		
Sodium hypochlorite	JD	2006	SANITIZERS		
Sodium phosphates	JT	2001	MINERALS		
Sulfur dioxide	JD	2011	PRESERVATIVES, THICKENERS		
Sweet potato starch	ZS	None	GUMS, THICKENING AGENTS		
Tocopherols	TF	1995	PRESERVATIVES, THICKENERS		
Turkish bay leaves	JD	None	MISC. INGREDIENTS		
Turmeric extract color	MS	None	COLORS		
Wakame seaweed (Undaria pinnatifida)	ZS	None	GUMS, THICKENING AGENTS		
Whey protein concentrate	JFo	None	DAIRY ADDITIVES		
Wood rosin	ZS	-	FRUIT COATINGS		
Xanthan gum	ZS	1995	GUMS, THICKENING AGENTS		
Yeast	JFo	-			

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy or regulations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

**National Organic Standards Board (NOSB)
Handling Subcommittee (HS) Meeting Notes
Tuesday, July 8, 2014 2:00 pm ET**

Present: Harold Austin, Chair (HA), Zea Sonnabend (ZS), Tracy Favre (TF), Jean Richardson (JR), John Foster, Vice Chair (JFo), Jennifer Taylor (JT)

Absent: Joe Dickson (JD), Mac Stone (MS)

Staff: Michelle Arsenault (MA), Emily Brown Rosen (EBR)

Work Plan

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gibberellic acid Petition Addendum	Add to 205.605	ZS, TF	Yes	Petition sent to HS 07 27 12. Petition suff response due 09 27 12. Sent back to petitioner for additional questions 01 09 13. Rcvd response 04 16 13. On hold until post-harvest handling (PHH) draft guidance is published. Draft PHH published 04 25 14.		TBD
Whole algal flour Petition Addendum #1	205.606	HA		Petition sent to HS on 09 30 13. Petition suff (including TR Request, if applicable) due 11 29 13. Petition found insufficient. Sent addit'l Q's to petitioner. Pet. addendum sent to HS 01 22 14. Sufficiency due 02 25 14. Petition found "complete" 02 18 14		Proposal Fall 2014
2012 Ammonium hydroxide (boiler water additive)	Add to 205.605	JR	No 2001 TAP	2000 petition . 2001 Recommendation . 2001 Background Paper . 2012 Petition sent to HS 11 06 12. Petition Sufficiency Response Due Date: 01 27 13. Petition found sufficient 12 18 12. No TR requested. Original proposal revised for spring 2014 meeting.		Proposal Fall 2014
Glycerin CAS #(56-81-5)	Remove from 205.605(b)	TF	1995 TR 2013 TR	Petition sent to HS on 01 09 13. Sufficiency response due 03 11 13. TR sent to HS on 06 11 13. Sufficiency due 08 12 13. TR found suff 07 02 13		Proposal Fall 2014

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Polyalkylene glycol monobutyl ether PGME (PDF) (CAS # 9038-95-3) As a boiler water additive	205.605	JR	2013 TR	Petition sent to MS/HS 01 28 13. TR Requested 2 19 2013. Draft TR sent to HS 06 11 13. TR sufficiency response due 08 12 13. TR found sufficient 07 02 13. Discussion doc returned to HS for further review. Supplemental TR rqstd 05 20 14		Proposal Fall 2014
Triethyl Citrate (PDF)	205.605	JR	Y	Petition sent to HS 03 04 14. Rqst for Q's or TR due 05 06 14. TR requested 04 16 14		Proposal Fall 2014
Sodium Lactate	205.605			Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition.		TBD
Potassium Lactate	205.605			Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition.		TBD

2015 Sunsets § 205.605(a) and 205.606						
Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gellan gum CAS # 71010-52-1	205.605(a)	JD	Y	2006 TR , 2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Marsala	205.606(g)	TF	N	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Sherry	205.606(g)	TF	N	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Tragacanth CAS # 9000-65-1	205.606(x)	JD	N	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014

2016 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP Jan 2014)						
Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Egg white lysozyme CAS # 9001-63-2	205.605(a)	TF	No new TR 2011 TR 2003 TAP	Final Sunset Recommendation on Egg White Lysozyme on 205.605b (PDF) Nov 2009.		Summary: Fall 2014 Review: Spr 2015

Microorganisms	205.605	ZS	Y 2003 TAP	Final Sunset Recommendation on Microorganisms on 205.605b (PDF) Nov 2009. TR requested by NOP Aug 26 2013. TR sent to HS 01 23 14. TR suff due 03 25 14. TR found not sufficient	Summary: Fall 2014 Review: Spr 2015
Activated charcoal CAS #s 7440-44-0; 64365-11-3	205.605(b)	HA	No new TR 2002 TAP	Final Sunset Recommendation on Activated Charcoal on 205.605b (PDF) Nov 2009	Summary: Fall 2014 Review: Spr 2015
Peracetic acid CAS # 79-21-0	205.605(b))	JFo	No new TR request 2000 TAP	Final Sunset Recommendation on Peracetic Acid on 205.605b (PDF) Oct 2009	Summary: Fall 2014 Review: Spr 2015
Cyclohexylamine CAS # 108 -91-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Cyclohexylamine on 205.605b (PDF) Nov 2009. TR determination: 01 17 14	Summary: Fall 2014 Review: Spr 2015
Diethylaminoethanol CAS # 100-37-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Dethylaminoethanol on 205.605b (PDF) Nov 2009. TR determination: 01 17 14	Summary: Fall 2014 Review: Spr 2015
Octadecylamine CAS # 124-30-1	205.605(b)	TF	2001 TAP No new TR request	Final Sunset Recommendation on Octadecylamine on 205.605b (PDF) Nov. 2009.	Summary: Fall 2014 Review: Spr 2015
L-Malic acid CAS # 97 -67-6).	205.605(a)	JD	2003 TAP No new TR	Final Sunset Recommendation on L-Malic Acid on 205.605b (PDF) Nov 2009. TR determination: 01 17 14	Summary: Fall 2014 Review: Spr 2015

Sodium acid pyrophosphate CAS # 7758-16-9 2009 Expanded use	205.605(b)	JD	2001 TAP 2010 TR No New TR	Apr 2011 Subcomm recommendation April 2011 NOSB recommendation Final Sunset Recommendation on SAPP on 205.605b (PDF) Nov 2009		Summary: Fall 2014 Review: Spr 2015
Tetrasodium pyrophosphate (TSPP) CAS # 7722-88-5	205.605(b)	ZS	Y 2002 TR	Final Sunset Recommendation on TSPP on 205.605b (PDF) Nov 2009. Requested a limtd scope TR 01 12 14. Lmtd Scope TR sent to HS 06 11 14. TR sufficiency due 08 12 14		Summary: Fall 2014 Review: Spr 2015

2017 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP July 2014) – in progress (see table below for others)

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Yeast (2006) (PDF) Petition Supplement (2010) (PDF) Petition Memorandum (2010) (PDF)	205.605	JFo	Y	NOP 5014 – Certification of Organic Yeast (PDF) TAP – Yeast, Autolysate, 1995 TAP – Yeast, Bakers, 1995 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 NOSB Formal Rec (2010) NOSB Committee Rec (2010) NOSB Committee Rec (2007) 2014 TR sent to HS 01 22 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015

Carnauba Wax	205.605	ZS	Y	TAP for Fruit Waxes, 1996 (PDF) 2014 TR sent to HS 01 24 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.	Summary: Spr 2015 Review: Fall 2015
Orange Shellac	205.606	ZS	Y	TAP, 2002 (PDF) 2014 TR sent to HS 01 27 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.	Summary: Spr 2015 Review: Fall 2015
Wood rosin	205.606	ZS	Y	TR sent to HS on 01 24 14. Sufficiency due July 2014. TR found sufficient 06 03 14.	Summary: Spr 2015 Review: Fall 2015

Other projects			
Name	Contact	Notes*	Meeting
Ancillary Substances	ZS	Final Recommendation: Ancillary Substances (Auxiliary/"other" ingredients) (PDF)	Brief Update Spr 2014
BPA prohibition	ZS	Submitted briefing paper to NOP 01 12 14. Waiting for feedback from NOP.	Discussion doc TBD

* **Highlight** indicates committee action needed.

Agenda

- Approve notes from July 1, 2014
- 2017 Sunset TR determinations
 - Minerals (JT) - finish list. (Calcium carbonate, Calcium hydroxide - continue discussion. Magnesium carbonate, Magnesium chloride, Potassium acid tartrate, Potassium carbonate, Potassium citrate, Potassium phosphate, Sodium hydroxide, Sodium phosphates)
 - Sanitizers (JD) - Acidified sodium chlorite, Calcium hypochlorite, Chlorine dioxide, Hydrogen peroxide, Ozone, Phosphoric acid, Sodium hypochlorite
 - Vitamins & Minerals (TF) - Ascorbic acid, Calcium chloride, Ferrous sulfate, Nutrient vitamins and minerals, Potassium chloride, Potassium iodide
 - Gases (JT) - Carbon dioxide, Ethylene, Nitrogen, Oxygen
 - Tocopherols (TF)
- Status on Limited Scope TR for TSPP
- BPA Update
- Discuss potential panelists for Boiler Panel
- Discuss Glycerin draft proposal (TF)
- Discuss 2016 Sunset materials for first posting (fall 2014)
 - Paracetic acid (JFo)
- Assign reviewers for sodium lactate and potassium lactate
- **Adjourn**

Discussion

- **Notes from July 1, 2014** approved with no changes.
- **Colors, casings, flavors.** JR will conduct review and the group will discuss them on the next call. The initial assessment is that perhaps TRs are not necessary for colors, and if they do decide to request a TR, then it makes sense to request one for the group not individually. NOP and the HS suggested a TR for casings. ZS noted that a TR won't provide the info the HS is seeking.
- **Fish oils.** ZS will review this and have for next call.
- **2017 Sunset TR determinations**
 - **Calcium carbonate (JT).** Low priority for TR. Aka: precipitated calcium carbonate, limestone, marble, calcite, chalk. Listed 205.605(a) nonsynthetic source. Lead suggested new TR as the last TAP is from 1995. NOSB Petition Review - November 1995. In March 2005, the NOP asked the Board to submit information concerning the status of calcium carbonate when used in livestock feed. Sunset review and relisting in November 2005. No reported toxicity or persistence. No effect on human health.
 - **Calcium hydroxide (JT).** Aka: Slake Lime, hydrated lime, milk of lime. Listed 205.605(b) synthetics allowed. 1995 TAP. Suggested new TR, to determine impact on environment, human health/food products, etc. Reviewers were not in agreement about classification and were concerned with synthetic inorganic salts impact of alkali treatment of food products high in protein
 - **Magnesium Sulfate (JT).** Aka: Epsom salts, bitter salts, magnesium sulfate anhydrous sulfuric acid, magnesium salt. 205.605(a). 2011 TR, but new TR is requested to seek info about alternate sources. 205.605(b) with annotation.
 - **Magnesium carbonate (JT).** 205.605(b). Used in made with products as a filtering aid; alkali, drying agent; color-retention agent, anticaking agent, carrier; TAP reviews in 1995 and 1996. Suggested new TR to determine alternatives. A member questioned the need for a new TR.
 - **Magnesium chloride (JT).** Magnesium chloride - derived from sea water. Reviewed in 1999. Used for fireproofing woods, in disinfectants, fire extinguishers, artificial leather, casein glues, as reagent in analytical chemistry; foliar source of magnesium, dust suppressant, color retention agent, firming agent for tofu, and in sugar beet processing. Instructions include warnings if skin eyes or clothing come in contact, directions for firefighters and directions for cleanup if discharged or spilled.
 - **Potassium acid tartrate (JT).** Listed at 205.605(b). Aka: Soluble Tartar. Used as a leavening agent and in aluminum free baking powder. Reviewed in 1995. Lead suggested a new TR to examine alternatives and access, but there are very few concerns about this material.
 - **Potassium carbonate (JT).** Listed at 205.605(b). Aka: Carbonic Acid, dipotassium salt, salt of tartar; potash. 1995 TAP. Uses include: pH control agent; leavening agent; baking; soft drinks; confections; manufacture of chocolate; cocoa (Dutch alkali process); and boiler water additive. Suggests TR to examine alternatives/access to alternatives, and usage patterns.
 - **Potassium citrate (JT).** Listed at 205.605(b) – allowed synthetics. 1995 TAP. Used as pH control agent, buffer, sequestrant, nutrient. Suggests TR to examine alternatives and access to alternatives. TAP is 20 years old, and needs to be updated.
 - **Potassium phosphate (JT).** Listed at 205.605(b). 1995 TAP. Aka: Dipotassium monophosphate; Potassium biphosphate, Monopotassium Phosphate. Used as food additive. Suggests TR to examine alternatives and access to alternatives. A member noted that Potassium phosphate would never be listed on a label unless it was an ingredient

that had a technical affect. The HS Chair suggested a limited scope TR to determine what is in use at this time.

- **Sodium hydroxide (JT)**. Listed at 205.605(b). 1995 TAP. Will request new TR. Used in making pretzels, cocoa, lye peeled fruit, removing bitter component of ripe olives; as pH adjusting agent. Extremely caustic substance; avoid eye, skin, lung contact; impacts on environment from disposal. This material was very controversial when it was added to the National List along with Potassium hydroxide. Potassium hydroxide has since moved to a different sunset cycle). The difference between the two is that one is used for making solid soap and one for liquid soap. A member urged the HS to review this because these materials were never petitioned for use in soap. Another member noted that they are considered processing aids with very little to none remaining in final product. The NOP noted that it is not a processing aid and is considered a primary ingredient. The HS will request a new TR to clarify.
- Sodium phosphates (JT). Listed at 205.605(b) for use only in dairy foods. 1995 TAP only reviewed the forms mono-, di-, and tri-sodium phosphates. Reviewed in 1999 and 2002. The 2005 TAP review does not cover other forms such as metaphosphates, pyrophosphates, or combinations of sodium phosphates with any elemental constituents other than hydrogen. Suggested alternative: organic soybean lecithin may be applicable as an emulsifier. A new TR is recommended.
- Acidified sodium chlorite (JD) - postponed to August 15
- Calcium hypochlorite (JD) - postponed to August 15
- Chlorine dioxide (JD) - postponed to August 15
- Hydrogen peroxide (JD) - postponed to August 15
- Ozone (JD) - postponed to August 15
- Phosphoric acid (JD) - postponed to August 15
- Sodium hypochlorite (JD) - postponed to August 15
- Vitamins & Minerals (TF) - postponed to August 15
- Ascorbic acid (TF). No annotation. Nutritional supplement/antioxidant. Reviewed as part of infant formula. There's a 2012 TR for ascorbic acid and another TR for Vitamins and Minerals for aquaculture. There is a lot of recent background information and will not request a new TR.
- Calcium chloride (TF) - Will send document to the members prior to the next call.
- Ferrous sulfate (TF) - postponed to August 15
- Nutrient vitamins and minerals (TF) - postponed to August 15
- Potassium chloride (TF) - postponed to August 15
- Potassium iodide (TF) - postponed to August 15
- Gases (JT) - postponed to August 15
- Carbon dioxide (JT) - postponed to August 15
- Ethylene (JT) - postponed to August 15
- Nitrogen (JT) - postponed to August 15
- Oxygen (JT) - postponed to August 15
- Status on Limited Scope TR for TSPP - postponed to August 15
- BPA Update - postponed to August 15
- Discuss potential panelists for Boiler Panel - postponed to August 15
- Discuss Glycerin draft proposal (TF) - postponed to August 15
- Discuss 2016 Sunset materials for first posting (fall 2014)
 - Paracetic acid (JFo) - postponed to August 15
- Assign reviewers for sodium lactate and potassium lactate - postponed to August 15

- **The meeting was adjourned**

[Previous HS Notes](#)

Future Call Schedule

July 1, 2014 1:00 ET

2017 Sunset TR determinations

- Colors (MS) - postponed to July 8
- Casing (MS) - postponed to July 8
- Flavors (MS) - postponed to July 8
- Fish Oils (MS) - postponed to July 8
- Gums, thickening agents (ZS) - done
- Preservatives, Thickening agents (Lecithin (ZS), Sulfur dioxide) - done
- Leavening agents (HA) - done
- Minerals (JT) - will complete on July 8
- Sanitizers (JD) - postponed to July 8
- Vitamins & Minerals (TF) - postponed to July 8
- Gases (JT) - postponed to July 8

Status on Limited Scope TR for TSPP - postponed

BPA Update - postponed

Discuss potential panelists for Boiler Panel - postponed

Discuss Glycerin draft proposal (TF) - postponed

Discuss 2016 Sunset materials for first posting (fall 2014) - postponed to July 8

- Paracetic acid (JFo) –postponed to July 8

- Activated charcoal (HA) - done

July 8, 2014 2:00 ET

2017 Sunset TR determinations

- Minerals (JT) - finish list. (Calcium hydroxide – continue discussion. Magnesium Sulfate, Magnesium carbonate, Magnesium chloride, Potassium acid tartrate, Potassium carbonate, Potassium citrate, Potassium phosphate, Sodium hydroxide, Sodium phosphates) - done
- Sanitizers (JD) - Acidified sodium chlorite, Calcium hypochlorite, Chlorine dioxide, Hydrogen peroxide, Ozone, Phosphoric acid, Sodium hypochlorite - postponed to July 15
- Vitamins & Minerals (TF) - Ascorbic acid, Calcium chloride, Ferrous sulfate, Nutrient vitamins and minerals, Potassium chloride, Potassium iodide - postponed to July 15
- Gases (JT) - Carbon dioxide, Ethylene, Nitrogen, Oxygen - postponed to July 15

Status on Limited Scope TR for TSPP - postponed to July 15

Discuss potential panelists for Boiler Panel - postponed to July 15

Discuss Glycerin draft proposal (TF) - postponed to July 15

Discuss 2016 Sunset materials for first posting (fall 2014) - postponed to July 15

- Paracetic acid (JFo)

Assign reviewers for sodium lactate and potassium lactate - postponed to July 15

July 15, 2014 1:00 ET

2017 Sunset TR determinations

- Colors (JR) 17 materials
- Casing (JR)
- Flavors (JR)
- Fish oils (ZS)

- Misc Ingredients (JD) - Celery powder, Chia (Salvia hispanica L.), Dillweed oil, Galangal, frozen, Lemongrass-frozen, Orange pulp, dried, Peppers (Chipotle chile), Turkish bay leaves
- Sanitizers (JD) - Acidified sodium chlorite, Calcium hypochlorite, Chlorine dioxide, Hydrogen peroxide, Ozone, Phosphoric acid, Sodium hypochlorite
- Alginic acid (TF)
- Vitamins & Minerals (TF) - Calcium chloride, Ferrous sulfate, Nutrient, vitamins and minerals, Potassium chloride, Potassium iodide
- Gases (JT) - Carbon dioxide, Ethylene, Nitrogen, Oxygen
- Enzymes (JFo) I think we may have skipped this one (I didn't have it on the list for discussion)

Prioritize TRs and finalize them

Research priorities discussion

Volatile extractants

Status on Limited Scope TR for TSPP

Discuss potential panelists for Boiler Panel

Discuss Glycerin draft proposal (TF)

Discuss 2016 Sunset materials for first posting (fall 2014)

Paracetic acid (JFo)

Assign reviewers for sodium lactate and potassium lactate

Aug 5, 2014 1:00 ET

Discuss four 2015 Sunset proposals: Marsala, Sherry, Tragacanth and Gellan Gum

Research priorities finalization

Aug 19, 2014 1:00 ET

Sep 2, 2014 1:00 ET

Sep 16, 2014 1:00 ET

Oct 7, 2014 1:00 ET

Oct 21, 2014 1:00 ET

Nov 4, 2014 1:00 ET

Nov 18, 2014 1:00 ET

Fall 2014 Milestones	Target date
NOSB Subcommittee requests technical reports for Sunset 2017 substances	Jul 15, 2014
NOP - Complete tentative agenda	Aug 7, 2014
NOSB - Fall 2014 proposals due to NOP	Aug 27, 2014
NOP - Post proposals, Publish FRN, Open public comment	Sep 8, 2014
NOSB Subcommittees - submit tentative workplans to NOP	Sept 11, 2014
Discuss workplans on ES call	Sept 12, 2014
Public comment closes	Oct 7, 2014
Workplans finalized on ES call (last call before fall mtg)	Oct 17, 2014
NOP - Send compiled public comments to NOSB	Oct 13, 2014
Fall 2014 NOSB Meeting – Louisville, KY	Oct 27 - Oct 31

2017 Sunsets (TR requests due to NOP July 15, 2014)

Substance * Highlight = Multiple listings * Greyed out = moved to table above as they are reviewed	Con tact	TR	New TR Rqst	Misc notes	Vote	Meeting Summary: Spr 2015 Review: Fall 2015
Acidified sodium chlorite	JD	2008		SANITIZERS		
Alginate	ZS	1995	Y (07 01 14)	GUMS, THICKENING AGENTS		
Alginic acid	TF	none				
Ammonium bicarbonate	HA	2004	N (07 01 14)	LEAVENING AGENTS		
Ammonium carbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Arabic gum	ZS	1995	Y Lmtd Scope (07 01 14) + carob bean, guar gum, locust bean	GUMS, THICKENING AGENTS		
Ascorbic acid	TF	1995	N (07 08 14)	VITAMINS & MINERALS		
Attapulgate	JR	2010	N (06 17 14)	FILTERING AGENT		
Beet juice extract color	JR	None		COLORS		
Bentonite	JR	1995	N (06 17 14)	FILTERING AGENT		
Black currant juice color	JR	None		COLORS		
Black/Purple carrot juice color	JR	None		COLORS		
Blueberry juice color	JR	None		COLORS		
Calcium carbonate	JT	1995	N or Low priority (07 01 14) & (07 08 14)	MINERALS		
Calcium chloride	TF			VITAMINS & MINERALS		
Calcium citrate	JFo	1995	N (06 17 14)	FOOD ACIDS		
Calcium hydroxide	JT	1995	N (07 01 14) Maybe (07 08 14)	MINERALS		
Calcium hypochlorite	JD	2006		SANITIZERS		
Calcium phosphate dibasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Calcium phosphate monobasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Calcium phosphate tribasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Carbon dioxide	JT	2006		GASES		
Carnauba Wax	ZS	-	Y. Done. Found Suff 06 03 14	FRUIT COATINGS		
Carob bean gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, guar gum,	GUMS, THICKENING AGENTS		

			locust bean			
Carrot juice color	JR	None		COLORS		
Casings	JR					
Celery powder	JD	None		MISC. INGREDIENTS		
Cherry juice color	MS	None		COLORS		
Chia (Salvia hispanica L.)	JD	None		MISC. INGREDIENTS		
Chlorine dioxide	JD	2006		SANITIZERS		
Chokeberry—Aronia juice color	JR	None		COLORS		
Citric acid	JFo	1995	Y (06 17 14) + its salts	FOOD ACIDS		
Cornstarch (native)	ZS	1995	N (07 01 14)	GUMS, THICKENING AGENTS		
Dairy cultures	JFo	1995	Y (06 17 14) for anc substances			
Diatomaceous earth	JR	1995	N (06 17 14)	FILTERING AGENT		
Diglycerides	JR	1995	Y Lmtd scope (06 17 14) (combined with mono-)	DRYING		
Dillweed oil	JD	None		MISC. INGREDIENTS		
Elderberry juice color	JR	None		COLORS		
Enzymes	JFo	2011				
Ethylene	JT	1999		GASES		
Ferrous sulfate	TF	1995		VITAMINS & MINERALS		
Fish oil	JR	None				
Flavors	JR	2005				
Fructooligosaccharides	JFo	2006	Y. As group (06 17 14)	DAIRY ADDITIVES		
Galangal, frozen	JD	None		MISC. INGREDIENTS		
Gelatin	ZS	2002	N (07 01 14)	GUMS, THICKENING AGENTS		
Glycerin	JR	2013	?	FILTERING AGENT		
Grape juice color	JR	None		COLORS		
Grape skin extract color	JR	None		COLORS		
Guar gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, carob bean, locust bean	GUMS, THICKENING AGENTS		
Hydrogen peroxide	JD			SANITIZERS		
Inulin-oligofructose enriched	JFo	None	Y. As group (06 17 14)	DAIRY ADDITIVES		
Kaolin	JR	1995	N (06 17 14)	FILTERING AGENT		
Kelp	ZS	1995	N (07 01 14)	GUMS, THICKENING AGENTS		
Konjac flour	ZS	None	N (07 01 14)	GUMS, THICKENING		

				AGENTS		
Lactic acid	JFo	1995	Y (06 17 14) + its salts	FOOD ACIDS		
Lecithin - de-oiled	ZS	2009	N (07 01 14)	PRESERVATIVES, THICKENERS		
Lemongrass-frozen	JD	None		MISC. INGREDIENTS		
Locust bean gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, guar gum, carob bean	GUMS, THICKENING AGENTS		
Magnesium carbonate	JT	1996	? (07 08 14)	MINERALS		
Magnesium chloride	JT	1995	? (07 08 14)	MINERALS		
Magnesium stearate	JR	1995	N (06 17 14)	DRYING		
Magnesium sulfate	JT	2011	? Lmtd scope (07 01 14)	MINERALS		
Monoglycerides	JR	1995	Y Lmtd scope (06 17 14) (combined with di-)	DRYING		
Nitrogen	JT	1995		GASES		
Nutrient vitamins and minerals	TF	1995		VITAMINS & MINERALS		
Orange pulp, dried	JD	None		MISC. INGREDIENTS		
Orange Shellac	ZS	-	Y. Done. Found Suff 06 03 14	FRUIT COATINGS		
Oxygen	JT	1995		GASES		
Ozone	JD	2002		SANITIZERS		
Paprika color	JR	None		COLORS		
Pectin (non-amidated forms only)	ZS	2010	? (07 01 14)	GUMS, THICKENING AGENTS		
Peppers (Chipotle chile)	JD	None		MISC. INGREDIENTS		
Perlite	JR	1996	N (06 17 14)	FILTERING AGENT		
Phosphoric acid	JD			SANITIZERS		
Potassium acid tartrate	JT	1995	N (07 08 14)	MINERALS		
Potassium carbonate	JT	1995	Y (07 08 14)	MINERALS		
Potassium chloride	TF			VITAMINS & MINERALS		
Potassium citrate	JT	1995	? (07 08 14)	MINERALS		
Potassium iodide	TF	2011		VITAMINS & MINERALS		
Potassium phosphate	JT	1995	Y (07 08 14)	MINERALS		
Pumpkin juice color	MS	None		COLORS		
Purple potato juice	MS	None		COLORS		
Red cabbage extract color	MS	None		COLORS		
Red radish extract color	MS	None		COLORS		
Saffron extract color	MS	None		COLORS		
Seaweed, Pacific kombu	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Silicon dioxide	JR	2010		FILTERING AGENT	Novem	

					ber 2018 sunset date, not 2017	
Sodium bicarbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Sodium carbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Sodium citrate	JFo	1995	N (06 17 14)	FOOD ACIDS		
Sodium hydroxide	JT	1995	Y (07 08 14)	MINERALS		
Sodium hypochlorite	JD	2006		SANITIZERS		
Sodium phosphates	JT	2001	Y (07 08 14)	MINERALS		
Sulfur dioxide	JD	2011	N (07 01 14)	PRESERVATIVES, THICKENERS		
Sweet potato starch	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Tocopherols	TF	1995	N (07 01 14)	PRESERVATIVES, THICKENERS		
Turkish bay leaves	JD	None		MISC. INGREDIENTS		
Turmeric extract color	MS	None		COLORS		
Wakame seaweed (Undaria pinnatifida)	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Whey protein concentrate	JFo	None	Y. As group (06 17 14)	DAIRY ADDITIVES		
Wood rosin	ZS	-	Y. Done. Found Suff 06 03 14	Y. Done. Found Suff 06 03 14		
Xanthan gum	ZS	1995	Y Lmtd scope (07 01 14)	GUMS, THICKENING AGENTS		
Yeast	JFo	-	Y. Done. Found Suff 06 03 14			

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy or regulations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

**National Organic Standards Board (NOSB)
Handling Subcommittee (HS) Meeting Notes
Tuesday, July 15, 2014 2:00 pm ET**

Present: Harold Austin, Chair (HA), John Foster, Vice Chair (JFo), Zea Sonnabend (ZS), Jean Richardson (JR), Jennifer Taylor (JT), Joe Dickson (JD)

Absent: Mac Stone (MS), Tracy Favre (TF)

Staff: Michelle Arsenault (MA), Emily Brown Rosen (EBR)

Work Plan

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gibberellic acid Petition Addendum	Add to 205.605	ZS, TF	2011 TR	Petition sent to HS 07 27 12. Petition suff response due 09 27 12. Sent back to petitioner for additional questions 01 09 13. Rcvd response 04 16 13. On hold until post-harvest handling (PHH) draft guidance is published. Draft PHH published 04 25 14.		TBD
Whole algal flour Petition Addendum #1	205.606	HA	?	Petition sent to HS on 09 30 13. Petition suff (including TR Request, if applicable) due 11 29 13. Petition found insufficient. Sent addit'l Q's to petitioner. Pet. Addendum sent to HS 01 22 14. Sufficiency due 02 25 14. Petition found "complete" 02 18 14		Proposal Fall 2014
Ammonium hydroxide (boiler water additive)	Add to 205.605	JR	No 2001 TAP	2000 petition . 2001 Recommendation . 2001 Background Paper . 2012 Petition sent to HS 11 06 12. Petition Sufficiency Response Due Date: 01 27 13. Petition found sufficient 12 18 12. No TR requested. Original proposal revised for spring 2014 meeting.		Proposal Fall 2014
Glycerin CAS #(56-81-5)	Remove from 205.605(b)	TF	1995 TR 2013 TR	Petition sent to HS on 01 09 13. Sufficiency response due 03 11 13. TR sent to HS on 06 11 13. Sufficiency due 08 12 13. TR found suff 07 02 13		Proposal Fall 2014

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Polyalkylene glycol monobutyl ether PGME (PDF) (CAS # 9038-95-3) As a boiler water additive	205.605	JR	2013 TR	Petition sent to MS/HS 01 28 13. TR Requested 2 19 2013. Draft TR sent to HS 06 11 13. TR sufficiency response due 08 12 13. TR found sufficient 07 02 13. Discussion doc returned to HS for further review. Supplemental TR rqstd 05 20 14. Waiting for petitioner response before proceeding with updated TR including additional questions from HS		Proposal Fall 2014
Triethyl Citrate (PDF)	205.605	JR	Y	Petition sent to HS 03 04 14. Rqst for Q's or TR due 05 06 14. TR requested 04 16 14. TR in development (expected October 2014).		Proposal Fall 2014
Sodium Lactate	205.605	?		Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition.		TBD
Potassium Lactate	205.605	?		Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition.		TBD

2015 Sunsets § 205.605(a) and 205.606						
Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gellan gum CAS # 71010-52-1	205.605(a)	JD	Y	2006 TR , 2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Marsala	205.606(g)	TF	N	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Sherry	205.606(g)	TF	N	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Tragacanth CAS # 9000-65-1	205.606(x)	JD	N	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
2016 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP Jan 2014)						
Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting

Egg white lysozyme CAS # 9001-63-2	205.605(a)	TF	No new TR 2011 TR 2003 TAP	Final Sunset Recommendation on Egg White Lysozyme on 205.605b (PDF) Nov 2009.	Summary: Fall 2014 Review: Spr 2015
Microorganisms	205.605	ZS	Y 2003 TAP	Final Sunset Recommendation on Microorganisms on 205.605b (PDF) Nov 2009. TR requested by NOP Aug 26 2013. TR sent to HS 01 23 14. TR suff due 03 25 14. TR found not sufficient.	Summary: Fall 2014 Review: Spr 2015
Activated charcoal CAS #s 7440-44-0; 64365-11-3	205.605(b)	HA	No new TR 2002 TAP	Final Sunset Recommendation on Activated Charcoal on 205.605b (PDF) Nov 2009	Summary: Fall 2014 Review: Spr 2015
Peracetic acid CAS # 79-21-0	205.605(b))	JFo	No new TR 2000 TAP	Final Sunset Recommendation on Peracetic Acid on 205.605b (PDF) Oct 2009	Summary: Fall 2014 Review: Spr 2015
Cyclohexylamine CAS # 108 -91-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Cyclohexylamine on 205.605b (PDF) Nov 2009. TR determination: 01 17 14	Summary: Fall 2014 Review: Spr 2015
Diethylaminoethanol CAS # 100-37-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Dethylaminoethanol on 205.605b (PDF) Nov 2009. TR determination: 01 17 14	Summary: Fall 2014 Review: Spr 2015
Octadecylamine Cas # 124-30-1	205.605(b)	TF	2001 TAP No new TR request	Final Sunset Recommendation on Octadecylamine on 205.605b (PDF) Nov. 2009.	Summary: Fall 2014 Review: Spr 2015
L-Malic acid CAS # 97 -67-6).	205.605(a)	JD	2003 TAP No new TR	Final Sunset Recommendation on L-Malic Acid on 205.605b (PDF) Nov 2009. TR determination: 01 17 14	Summary: Fall 2014 Review: Spr 2015

Sodium acid pyrophosphate CAS # 7758-16-9 2009 Expanded use	205.605(b)	JD	2001 TAP 2010 TR No New TR	Apr 2011 Subcomm recommendation April 2011 NOSB recommendation Final Sunset Recommendation on SAPP on 205.605b (PDF) Nov 2009		Summary: Fall 2014 Review: Spr 2015
Tetrasodium pyrophosphate (TSPP) CAS # 7722-88-5	205.605(b)	ZS	Y 2002 TR	Final Sunset Recommendation on TSPP on 205.605b (PDF) Nov 2009. Requested a limtd scope TR 01 12 14. Lmtd Scope TR sent to HS 06 11 14. TR sufficiency due 08 12 14		Summary: Fall 2014 Review: Spr 2015

2017 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP July 2014) – in progress (see table below for others)

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Yeast (2006) (PDF) Petition Supplement (2010) (PDF) Petition Memorandum (2010) (PDF)	205.605	JFo	Y	NOP 5014 – Certification of Organic Yeast (PDF) TAP – Yeast, Autolysate, 1995 TAP – Yeast, Bakers, 1995 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 NOSB Formal Rec (2010) NOSB Committee Rec (2010) NOSB Committee Rec (2007) 2014 TR sent to HS 01 22 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015

Carnauba Wax	205.605	ZS	Y	TAP for Fruit Waxes, 1996 (PDF) 2014 TR sent to HS 01 24 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.	Summary: Spr 2015 Review: Fall 2015
Orange Shellac	205.606	ZS	Y	TAP, 2002 (PDF) 2014 TR sent to HS 01 27 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.	Summary: Spr 2015 Review: Fall 2015
Wood rosin	205.606	ZS	Y	TR sent to HS on 01 24 14. Sufficiency due July 2014. TR found sufficient 06 03 14.	Summary: Spr 2015 Review: Fall 2015

Other projects			
Name	Contact	Notes*	Meeting
Ancillary Substances	ZS	Final Recommendation: Ancillary Substances (Auxiliary/"other" ingredients) (PDF)	Brief Update Spr 2014
BPA prohibition	ZS	Submitted briefing paper to NOP 01 12 14. Waiting for feedback from NOP.	Discussion doc TBD

* **Highlight** indicates committee action needed.

Agenda

- Approve notes from July 8, 2014
- 2017 Sunset TR determinations
 - Colors (JR) 17 materials
 - Casing (JR)
 - Flavors (JR)
 - Fish oils (ZS)
 - Misc Ingredients (JD) – Celery powder, Chia (*Salvia hispanica* L.), Dillweed oil, Galangal, frozen, Lemongrass-frozen, Orange pulp, dried, Peppers (Chipotle chile), Turkish bay leaves
 - Sanitizers (JD) – Acidified sodium chlorite, Calcium hypochlorite, Chlorine dioxide, Hydrogen peroxide, Ozone, Phosphoric acid, Sodium hypochlorite
 - Alginic acid (TF)
 - Vitamins & Minerals (TF) – Calcium chloride, Ferrous sulfate, Nutrient, vitamins and minerals, Potassium chloride, Potassium iodide
 - Gases (JT) – Carbon dioxide, Ethylene, Nitrogen, Oxygen
 - Enzymes (JFo) I think we may have skipped this one (I didn't have it on the list for discussion)
- Prioritize TRs and finalize them
- Research priorities discussion
- Discuss volatile extractants
- Status on Limited Scope TR for TSPP
- Discuss potential panelists for Boiler Panel

- Discuss Glycerin draft proposal (TF)
- Discuss 2016 Sunset materials for first posting (fall 2014)
 - Paracetic acid (JFo)
- Assign reviewers for sodium lactate and potassium lactate
- Adjourn

Discussion

- **Notes from July 8, 2014** approved with no changes
- **2017 Sunset TR determinations**
 - **Colors (JR)**. 17 materials. Non-organically produced agricultural product allowed in processing. Listed at 205.606 both as specific colors, and as a category of “colors” with the following annotation: Colors derived from agricultural products - Must not be produced using synthetic solvents and carrier systems or any artificial preservatives. The petitions on the individual substances include considerable amounts of confidential business information (CBI). For this review, the colors have been grouped into 3 bins (see below). The NOP suggested one TR instead of three, although the group feels that grouping the colors into three bins and delineating them could assist the TR contractor. The members agreed that it would be beneficial to request three limited scope TR’s to address issues of manufacturing process and ancillary substances, and to review and verify CAS numbers, or whether CAS numbers are appropriate.
 - TR 1. Anthocyanins: Chokeberry -aronia juice color; black currant juice color; blueberry juice color; cherry juice color; red cabbage extract color; elderberry juice color; grape juice color; grape skin extract color; red radish extract color. Water soluble, simple physical extraction?
 - TR 2. Carotenoids: Carrot juice color; black/purple carrot juice color; saffron extract color. Oil used in extraction?
 - TR 3. Betalains and others: Beet juice extract color; turmeric extract color; paprika extract color; pumpkin juice color; purple potato juice color. Mixed extraction methods and adjuvants used?
 - **Casings (JR)**. Non-organically produced agricultural product allowed in processing. Listed at 205.606. Lead suggested no new TR for natural casings made from intestines.
 - **Flavors (JR)**. Nonagricultural, nonorganic, nonsynthetic substances listed at 205.605(a) with the following annotation: Nonsynthetic sources only, and must not be produced using synthetic solvents and carrier systems or any artificial preservatives. Based on the fact that there is relatively recent information and the formulations are restricted by the annotation, no new TR is needed. The group discussed the possibility of splitting the flavors into two separate groups (agricultural listed at 205.606 and nonagricultural at 205.605), which would require a petition and regulatory change. Instead, the HS will add a plethora of questions for the first public posting.
 - **Fish oils (ZS)**. The lead recommended a TR, since there has never been one done. The HS would like the following questions and comments addressed:
 - Are there other sources of fish oil aside from the one made in Peru in use in organic foods and if so, how are they manufactured and purified?
 - What environmental impacts are there from these other, non-Peruvian sources?
 - The petition mentions a 2007 voluntary standard from the Council of Responsible Nutrition (CRN) for limits on environmental contaminants such as dioxins and PCB’s in fish oil. Has this changed from a voluntary to a mandatory standard, and if not, are the other brands able to assure purity?

- Since this is an area of active research, the NOSB requests an update on the most current research on plant-derived alternatives like flax and chia, which could be organically grown. How comparable are flax and chia to the type of Omega 3 in fish and algal oils?
- Public information on safety assessments and environmental impacts, which are critical.
- **Misc Ingredients (JD)**. Celery powder, Chia (*Salvia hispanica* L.), Dillweed oil, Galangal, frozen, Lemongrass-frozen, Orange pulp - dried, Peppers (Chipotle chile), Turkish bay leaves. Each of these substances is listed on 205.606 and was voted on by the NOSB following the *Harvey* ruling's requirement that conventional agricultural ingredients be specifically listed on 606. Previously, commercial availability determinations were made by individual certifiers. TRs were not requested for any of these materials. Given that these are all simple agricultural ingredients without ancillary substances or any level of complex processing, the lead does not recommend TRs. There are questions of essentiality and a need for listing; those questions should be addressed through targeted engagement with the affected sector during the sunset process, rather than through TRs. The NOP will forward a recent article on the topic of celery powder.
- **Sanitizers (JD)**. Acidified sodium chlorite, Calcium hypochlorite, Chlorine dioxide, Hydrogen peroxide, Ozone, Phosphoric acid, Sodium hypochlorite. All of these are essential sanitizers for control of hazardous microorganisms in organic food production. These materials are all widely used and well understood, and all have relatively recent and very thorough TRs, with two exceptions: Hydrogen Peroxide and Ozone. The TAP for hydrogen peroxide is old and the Crops Subcommittee has requested a new one. The lead reviewer could only locate a TAP for Ozone for Crops, not Handling. Chlorine materials have decent and recent TRs for crop and livestock uses which, while not directly focused on handling, support the overall understanding of these materials.
- **Alginate acid (TF)**. A member noted that Alginate acid (205.605a) was combined with alginates (205.605b) in the 1995 TAP because they are closely related. Since Handling requested a new TR for alginates, combining them again is suggested.
- **Vitamins & Minerals (TF)**. A member noted that ancillary substances are involved and suggested requesting two separate TR's; one for ancillary substances in vitamins and one for ancillary substances in minerals, with vitamins being higher priority because there are more ancillary substances and more questions around what forms of vitamins are allowed. The HS requested that the NOP provide input.
 - **Calcium chloride** - listed at 205.605(a) Non-synthetics allowed, with no annotation. There was a 1995 TAP, and calcium chloride is ubiquitous in the industry. Used for brining and as a desiccant. The material is hygroscopic in nature, so therefore is also used to displace water in solution. No TR is recommended at this time.
 - **Ferrous sulfate** - listed at 205.605(b) for iron enrichment or fortification of foods when required by regulation or recommended (independent organization). Ferrous Sulfate is used to treat nutritional anemia and is a component of Ready to Use Therapeutic Foods (RUTF) in its encapsulated form. New TR requested (to be combined with nutrient minerals).
 - **Nutrient vitamins and minerals** - listed at 205.605(b) - Synthetics Allowed, in accordance with 21 CFR 104.20, Nutritional Quality Guidelines for Foods. There has been a fair amount a controversy around these materials as there has been confusion regarding what is actually included in this generic list. It is unclear whether a TR for the grouped listing would benefit any decision making on sunset review and the lead is seeking input from the other Subcommittee members. The

NOP agreed that two TRs would be the best approach and will work on specific questions or information that would be useful to the department.

- **Potassium chloride** - listed at 205.605(a) - non-synthetics allowed, with no annotation. Most of the listings on the NOP website relate to the prohibition of salts in Organic Crop Production, while discussing the allowance of Potassium Chloride. There has been no recent TR on the material. A 1995 TAP was provided by the NOP and will be posted to the website soon. The HS will request a limited scope TR for this material to determine usage.
- **Potassium iodide** - listed at 205.605(a) - Non-synthetics allowed, with no annotation. The lead noted that this material is also somewhat controversial, due to some confusion regarding its inclusion on the listing for Nutrient Vitamins and Minerals, but feels it is a result of where it's listed rather than the material itself. Potassium iodide will be included in the TR for minerals.
- **Tocopherols** will be partially covered in the TR for vitamins. The group also questioned ancillary substances and whether or not the TR should include a request to address all its uses: as a preservative and as a vitamin. The NOP noted that the Livestock TR should supplement the Handling request.
- **Gases** (JT). Carbon dioxide, Ethylene, Nitrogen, Oxygen. In the absence of the lead reviewer, members discussed this group of materials and indicated that there likely isn't a need for TRs at this time. The HS Chair agreed.
- **Enzymes** (JFo). The TR from 2011 is very thorough except for ancillary substances, so no new TR is recommended.
- **Lecithin** - The members discussed the need for a limited scope TR. A member feels that ancillary substances are not an issue, but perhaps extractants are.
- Prioritize TRs and finalize them - HS Chair will compile final list and forward to the NOP
- Research priorities discussion - deferred to August 5
- Discuss volatile extractants - deferred to August 5
- Status on Limited Scope TR for TSPP - deferred to August 5
- Discuss potential panelists for Boiler Panel - deferred to August 5
- Discuss Glycerin draft proposal (TF) - deferred to August 5
- Discuss 2016 Sunset materials for first posting (fall 2014) - deferred to August 5
 - Paracetic acid (JFo)
- Assign reviewers for sodium lactate and potassium lactate - deferred to August 5
- **The meeting was adjourned**

[Previous HS Notes](#)

Future Call Schedule

July 8, 2014 2:00 ET

2017 Sunset TR determinations

- Minerals (JT) - finish list. (Calcium hydroxide – continue discussion. Magnesium Sulfate, Magnesium carbonate, Magnesium chloride, Potassium acid tartrate, Potassium carbonate, Potassium citrate, Potassium phosphate, Sodium hydroxide, Sodium phosphates) - done
- Sanitizers (JD) - Acidified sodium chlorite, Calcium hypochlorite, Chlorine dioxide, Hydrogen peroxide, Ozone, Phosphoric acid, Sodium hypochlorite - postponed to July 15
- Vitamins & Minerals (TF) - Ascorbic acid, Calcium chloride, Ferrous sulfate, Nutrient vitamins and minerals, Potassium chloride, Potassium iodide - postponed to July 15
- Gases (JT) - Carbon dioxide, Ethylene, Nitrogen, Oxygen - postponed to July 15

Status on Limited Scope TR for TSPP - postponed to July 15
Discuss potential panelists for Boiler Panel - postponed to July 15
Discuss Glycerin draft proposal (TF) - postponed to July 15
Discuss 2016 Sunset materials for first posting (fall 2014) - postponed to July 15

- o Paracetic acid (JFo)

Assign reviewers for sodium lactate and potassium lactate - postponed to July 15

July 15, 2014 1:00 ET (TF out of office)

2017 Sunset TR determinations

- o Colors (JR) 17 materials
- o Casing (JR)
- o Flavors (JR)
- o Fish oils (ZS)
- o Misc Ingredients (JD) - Celery powder, Chia (*Salvia hispanica* L.), Dillweed oil, Galangal, frozen, Lemongrass-frozen, Orange pulp, dried, Peppers (Chipotle chile), Turkish bay leaves
- o Sanitizers (JD) - Acidified sodium chlorite, Calcium hypochlorite, Chlorine dioxide, Hydrogen peroxide, Ozone, Phosphoric acid, Sodium hypochlorite
- o Alginic acid (TF)
- o Vitamins & Minerals (TF) - Calcium chloride, Ferrous sulfate, Nutrient, vitamins and minerals, Potassium chloride, Potassium iodide
- o Gases (JT) - Carbon dioxide, Ethylene, Nitrogen, Oxygen
- o Enzymes (JFo) I think we may have skipped this one (I didn't have it on the list for discussion)

Prioritize TRs and finalize them

Research priorities discussion

Discuss volatile extractants

Status on Limited Scope TR for TSPP

Discuss potential panelists for Boiler Panel

Discuss Glycerin draft proposal (TF)

Discuss 2016 Sunset materials for first posting (fall 2014)

Paracetic acid (JFo)

Assign reviewers for sodium lactate and potassium lactate

Aug 5, 2014 1:00 ET

Research priorities discussion/finalization

Discuss volatile extractants

Status on Limited Scope TR for TSPP

Discuss potential panelists for Boiler Additives Panel

Discuss Glycerin draft proposal (TF)

Discuss four 2015 Sunset proposals: Marsala, Sherry, Tragacanth and Gellan Gum

Discuss 2016 Sunset materials for first posting (fall 2014)

Paracetic acid (JFo)

Assign reviewers for sodium lactate and potassium lactate

Aug 19, 2014 1:00 ET

Sep 2, 2014 1:00 ET

Sep 16, 2014 1:00 ET

Oct 7, 2014 1:00 ET

Oct 21, 2014 1:00 ET

Nov 4, 2014 1:00 ET
Nov 18, 2014 1:00 ET

Fall 2014 Milestones	Target date
NOSB Subcommittee requests technical reports for Sunset 2017 substances	Jul 15, 2014
NOP - Complete tentative agenda	Aug 7, 2014
NOSB - Fall 2014 proposals due to NOP	Aug 27, 2014
NOP - Post proposals, Publish FRN, Open public comment	Sep 8, 2014
NOSB Subcommittees - submit tentative workplans to NOP	Sept 11, 2014
Discuss workplans on ES call	Sept 12, 2014
Public comment closes	Oct 7, 2014
Workplans finalized on ES call (last call before fall mtg)	Oct 17, 2014
NOP - Send compiled public comments to NOSB	Oct 13, 2014
Fall 2014 NOSB Meeting – Louisville, KY	Oct 27 - Oct 31

2017 Sunsets (TR requests due to NOP July 15, 2014)

Substance * Highlight = Multiple listings * Greyed out = moved to table above as they are reviewed	Con tact	TR	New TR Rqst	Misc notes	Vote	Meeting Summary: Spr 2015 Review: Fall 2015
Acidified sodium chlorite	JD	2008	N (07 15 14)	SANITIZERS		
Alginates	ZS	1995	Y (07 01 14) combined w/alginic acid	GUMS, THICKENING AGENTS		
Alginic acid	TF	none	Y (07 15 14) combined w/alginates			
Ammonium bicarbonate	HA	2004	N (07 01 14)	LEAVENING AGENTS		
Ammonium carbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Arabic gum	ZS	1995	Y Lmtd Scope (07 01 14) + carob bean, guar gum, locust bean	GUMS, THICKENING AGENTS		
Ascorbic acid	TF	1995	N (07 08 14)	VITAMINS & MINERALS		
Attapulgate	JR	2010	N (06 17 14)	FILTERING AGENT		
Beet juice extract color	JR	None	Y (07 15 14)	COLORS		
Bentonite	JR	1995	N (06 17 14)	FILTERING AGENT		
Black currant juice color	JR	None	Y (07 15 14)	COLORS		
Black/Purple carrot juice color	JR	None	Y (07 15 14)	COLORS		
Blueberry juice color	JR	None	Y (07 15 14)	COLORS		
Calcium carbonate	JT	1995	N or Low priority (07 01 14) & (07 08 14)	MINERALS		
Calcium chloride	TF		N (07 15 14)	VITAMINS & MINERALS		
Calcium citrate	JFo	1995	Y (06 17 14)	FOOD ACIDS		
Calcium hydroxide	JT	1995	N (07 01 14) Maybe (07 08 14)	MINERALS		
Calcium hypochlorite	JD	2006	N (07 15 14)	SANITIZERS		
Calcium phosphate dibasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Calcium phosphate monobasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Calcium phosphate tribasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Carbon dioxide	JT	2006		GASES		
Carnauba Wax	ZS	-	Y. Done. Found Suff 06 03 14	FRUIT COATINGS		

Carob bean gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, guar gum, locust bean	GUMS, THICKENING AGENTS		
Carrot juice color	JR	None	Y (07 15 14)	COLORS		
Casings	JR		N (07 15 14)			
Celery powder	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Cherry juice color	MS	None	Y (07 15 14)	COLORS		
Chia (Salvia hispanica L.)	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Chlorine dioxide	JD	2006	N (07 15 14)	SANITIZERS		
Chokeberry—Aronia juice color	JR	None	Y (07 15 14)	COLORS		
Citric acid	JFo	1995	Y (06 17 14) + its salts	FOOD ACIDS		
Cornstarch (native)	ZS	1995	N (07 01 14)	GUMS, THICKENING AGENTS		
Dairy cultures	JFo	1995	Y (06 17 14) for anc substances			
Diatomaceous earth	JR	1995	N (06 17 14)	FILTERING AGENT		
Diglycerides	JR	1995	Y Lmtd scope (06 17 14) (combined with mono-)	DRYING		
Dillweed oil	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Elderberry juice color	JR	None	Y (07 15 14)	COLORS		
Enzymes	JFo	2011	N (07 15 14)			
Ethylene	JT	1999		GASES		
Ferrous sulfate	TF	1995	Y (07 15 14) One for vit/one for mins	VITAMINS & MINERALS		
Fish oil	JR	None	Y (07 15 14)			
Flavors	JR	2005	N (07 15 14)			
Fructooligosaccharides	JFo	2006	Y. As group (06 17 14)	DAIRY ADDITIVES		
Galangal, frozen	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Gelatin	ZS	2002	N (07 01 14)	GUMS, THICKENING AGENTS		
Glycerin	JR	2013	?	FILTERING AGENT		
Grape juice color	JR	None	Y (07 15 14)	COLORS		
Grape skin extract color	JR	None	Y (07 15 14)	COLORS		
Guar gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, carob bean, locust bean	GUMS, THICKENING AGENTS		
Hydrogen peroxide	JD		Y (07 15 14)	SANITIZERS		
Inulin-oligofructose	JFo	None	Y. As group (06 17	DAIRY ADDITIVES		

enriched			14)			
Kaolin	JR	1995	N (06 17 14)	FILTERING AGENT		
Kelp	ZS	1995	N (07 01 14)	GUMS, THICKENING AGENTS		
Konjac flour	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Lactic acid	JFo	1995	Y (06 17 14) + its salts	FOOD ACIDS		
Lecithin - de-oiled	ZS	2009	N (07 01 14)/(07 15 14)	PRESERVATIVES, THICKENERS		
Lemongrass-frozen	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Locust bean gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, guar gum, carob bean	GUMS, THICKENING AGENTS		
Magnesium carbonate	JT	1996	? (07 08 14)	MINERALS		
Magnesium chloride	JT	1995	? (07 08 14)	MINERALS		
Magnesium stearate	JR	1995	N (06 17 14)	DRYING		
Magnesium sulfate	JT	2011	? Lmtd scope (07 01 14)	MINERALS		
Monoglycerides	JR	1995	Y Lmtd scope (06 17 14) (combined with di-)	DRYING		
Nitrogen	JT	1995		GASES		
Nutrient vitamins and minerals	TF	1995	Y (07 15 14) One for vit/one for mins	VITAMINS & MINERALS		
Orange pulp, dried	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Orange Shellac	ZS	-	Y. Done. Found Suff 06 03 14	FRUIT COATINGS		
Oxygen	JT			GASES		
Ozone	JD	2002	Y (07 15 14)	SANITIZERS		
Paprika color	JR	None	Y (07 15 14)	COLORS		
Pectin (non-amidated forms only)	ZS	2010	? (07 01 14)	GUMS, THICKENING AGENTS		
Peppers (Chipotle chile)	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Perlite	JR	1996	N (06 17 14)	FILTERING AGENT		
Phosphoric acid	JD		N (07 15 14)	SANITIZERS		
Potassium acid tartrate	JT	1995	N (07 08 14)	MINERALS		
Potassium carbonate	JT	1995	Y (07 08 14)	MINERALS		
Potassium chloride	TF		Y (07 15 14) Lmtd scope	VITAMINS & MINERALS		
Potassium citrate	JT	1995	? (07 08 14)	MINERALS		
Potassium iodide	TF	2011	Y (07 15 14) One for vit/one for mins	VITAMINS & MINERALS		

Potassium phosphate	JT	1995	Y (07 08 14)	MINERALS		
Pumpkin juice color	JR	None	Y (07 15 14)	COLORS		
Purple potato juice	JR	None	Y (07 15 14)	COLORS		
Red cabbage extract color	JR	None	Y (07 15 14)	COLORS		
Red radish extract color	JR	None	Y (07 15 14)	COLORS		
Saffron extract color	JR	None	Y (07 15 14)	COLORS		
Seaweed, Pacific kombu	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Silicon dioxide	JR	2010		FILTERING AGENT	November 2018 sunset date, not 2017	
Sodium bicarbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Sodium carbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Sodium citrate	JFo	1995	N (06 17 14)	FOOD ACIDS		
Sodium hydroxide	JT	1995	Y (07 08 14)	MINERALS		
Sodium hypochlorite	JD	2006	N (07 15 14)	SANITIZERS		
Sodium phosphates	JT	2001	Y (07 08 14)	MINERALS		
Sulfur dioxide	JD	2011	N (07 01 14)	PRESERVATIVES, THICKENERS		
Sweet potato starch	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Tocopherols	TF	1995	Y (07 01 14)	PRESERVATIVES, THICKENERS		
Turkish bay leaves	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Turmeric extract color	JR	None	Y (07 15 14)	COLORS		
Wakame seaweed (Undaria pinnatifida)	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Whey protein concentrate	JFo	None	Y. As group (06 17 14)	DAIRY ADDITIVES		
Wood rosin	ZS	-	Y. Done. Found Suff 06 03 14	Y. Done. Found Suff 06 03 14		
Xanthan gum	ZS	1995	Y Lmtd scope (07 01 14)	GUMS, THICKENING AGENTS		
Yeast	JFo	-	Y. Done. Found Suff 06 03 14			

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy or regulations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

**National Organic Standards Board (NOSB)
Handling Subcommittee (HS) Meeting Notes
Tuesday, August 5, 2014 2:00 pm ET**

Present: Harold Austin, Chair (HA), John Foster, Vice Chair (JFo), Zea Sonnabend (ZS), Jean Richardson (JR), Joe Dickson (JD), Tracy Favre (TF), Mac Stone (MS), Jennifer Taylor (JT)

Absent: none

Staff: Michelle Arsenault (MA), Emily Brown Rosen (EBR)

Work Plan

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gibberellic acid Petition Addendum	Add to 205.605	ZS, TF	2011 TR	Petition sent to HS 07 27 12. Petition suff response due 09 27 12. Sent back to petitioner for additional questions 01 09 13. Rcvd response 04 16 13. On hold until post-harvest handling (PHH) draft guidance is published. Draft PHH published 04 25 14.		TBD
Whole algal flour Petition Addendum #1	205.606	HA	?	Petition sent to HS on 09 30 13. Petition suff (including TR Request, if applicable) due 11 29 13. Petition found insufficient. Sent addit'l Q's to petitioner. Pet. Addendum sent to HS 01 22 14. Sufficiency due 02 25 14. Petition found "complete" 02 18 14. Determine need for TR?		Proposal Fall 2014
Ammonium hydroxide (boiler water additive)	Add to 205.605	JR	No 2001 TAP	2000 petition. 2001 Recommendation. 2001 Background Paper. 2012 Petition sent to HS 11 06 12. Petition Sufficiency Response Due Date: 01 27 13. Petition found sufficient 12 18 12. No TR requested. Original proposal revised for spring 2014 meeting.		Proposal Spr 2015
Glycerin CAS #(56-81-5)	Remove from 205.605(b)	TF	1995 TR 2013 TR	Petition sent to HS on 01 09 13. Sufficiency response due 03 11 13. TR sent to HS on 06 11 13. Sufficiency due 08 12 13. TR found suff 07 02 13		Proposal Fall 2014

Petitioned Substances

Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Polyalkylene glycol monobutyl ether PGME (PDF) (CAS # 9038-95-3) As a boiler water additive	205.605	JR	2013 TR	Petition sent to MS/HS 01 28 13. TR Requested 2 19 2013. Draft TR sent to HS 06 11 13. TR sufficiency response due 08 12 13. TR found sufficient 07 02 13. Discussion doc returned to HS for further review. Supplemental TR rqstd 05 20 14. Waiting for petitioner response before proceeding with updated TR		Proposal Spr 2015
Triethyl Citrate	205.605	JR	Y	Petition sent to HS 03 04 14. Rqst for Q's or TR due 05 06 14. TR requested 04 16 14. TR in development (expected October 2014).		Proposal Spr 2015
Sodium Lactate	205.605	HA		Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition. Due mid-September.		TBD
Potassium Lactate	205.605	HA		Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition. Due mid-September.		TBD

2015 Sunsets § 205.605(a) and 205.606

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gellan gum CAS # 71010-52-1	205.605(a)	JD	Y	2006 TR , 2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Marsala	205.606(g)	TF	N	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Sherry	205.606(g)	TF	N	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014
Tragacanth CAS # 9000-65-1	205.606(x)	JD	N	2008 Recommendation 2010 FR notice		Summary: Spr 2014 Review: Fall 2014

2016 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP Jan 2014)

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Egg white lysozyme CAS # 9001-63-2	205.605(a)	TF	No new TR 2011 TR 2003 TAP	Final Sunset Recommendation on Egg White Lysozyme on 205.605b (PDF) Nov 2009.		Summary: Fall 2014 Review: Spr 2015
Microorganisms	205.605	ZS	Y 2003 TAP	Final Sunset Recommendation on Microorganisms on 205.605b (PDF) Nov 2009. TR requested by NOP Aug 26 2013. TR sent to HS 01 23 14. TR suff due 03 25 14. TR found not sufficient. TR sent to HS 07 24 14. Suffic due 08 27 14		Summary: Fall 2014 Review: Spr 2015
Activated charcoal CAS #s 7440-44-0; 64365-11-3	205.605(b)	HA	No new TR 2002 TAP	Final Sunset Recommendation on Activated Charcoal on 205.605b (PDF) Nov 2009		Summary: Fall 2014 Review: Spr 2015
Peracetic acid CAS # 79-21-0	205.605(b))	JFo	No new TR 2000 TAP	Final Sunset Recommendation on Peracetic Acid on 205.605b (PDF) Oct 2009		Summary: Fall 2014 Review: Spr 2015
Cyclohexylamine CAS # 108 -91-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Cyclohexylamine on 205.605b (PDF) Nov 2009. TR determination: 01 17 14		Summary: Fall 2014 Review: Spr 2015
Diethylaminoethanol CAS # 100-37-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Dethylaminoethanol on 205.605b (PDF) Nov 2009. TR determination: 01 17 14		Summary: Fall 2014 Review: Spr 2015
Octadecylamine Cas # 124-30-1	205.605(b)	TF	2001 TAP No new TR request	Final Sunset Recommendation on Octadecylamine on 205.605b (PDF) Nov. 2009.		Summary: Fall 2014 Review: Spr 2015

L-Malic acid CAS # 97 -67-6).	205.605(a)	JD	2003 TAP No new TR	Final Sunset Recommendation on L-Malic Acid on 205.605b (PDF) Nov 2009. TR determination: 01 17 14		Summary: Fall 2014 Review: Spr 2015
Sodium acid pyrophosphate CAS # 7758-16-9 2009 Expanded use	205.605(b)	JD	2001 TAP 2010 TR No New TR	Apr 2011 Subcomm recommendation April 2011 NOSB recommendation Final Sunset Recommendation on SAPP on 205.605b (PDF) Nov 2009		Summary: Fall 2014 Review: Spr 2015
Tetrasodium pyrophosphate (TSP) CAS # 7722-88-5	205.605(b)	ZS	Y 2002 TR	Final Sunset Recommendation on TSP on 205.605b (PDF) Nov 2009. Requested a limtd scope TR 01 12 14. Lmtd Scope TR sent to HS 06 11 14. TR sufficiency due 08 12 14. TR found sufficient 08 05 14		Summary: Fall 2014 Review: Spr 2015

2017 Sunsets §205.605(a) , §205.605(b) and 205.606

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Yeast (2006) (PDF) Petition Supplement (2010) (PDF) Petition Memorandum (2010) (PDF)	205.605	JFo	Y	NOP 5014 – Certification of Organic Yeast (PDF) TAP – Yeast, Autolysate, 1995 TAP – Yeast, Bakers, 1995 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 NOSB Formal Rec (2010) NOSB Committee Rec (2010) NOSB Committee Rec (2007) 2014 TR sent to HS 01 22 14.		Summary: Spr 2015 Review: Fall 2015

Carnauba Wax	205.605	ZS	Y	TAP for Fruit Waxes, 1996 (PDF) 2014 TR sent to HS 01 24 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015
Orange Shellac	205.606	ZS	Y	TAP, 2002 (PDF) 2014 TR sent to HS 01 27 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015
Wood rosin	205.606	ZS	Y	TR sent to HS on 01 24 14. Sufficiency due July 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015
Alginates/ Alginic acid	205.605(b)/ 205.605(a)	ZS,T F	1995 TR Y	Combined TR		
Arabic gum, Carob bean gum, Guar gum, Locust bean gum	205.606	ZS	1995 Y Lmt Scope	Gums. Combined TR		
Colors	205.606	JR	Y	All colors (17 total)		
Calcium citrate, Citric acid, Lactic acid, Sodium citrate	205.605(a) 205.605(b)	JFo	1995 Y	Food Acids + salts. 2 TRs: One for citric acid and its salts, and one for lactic acid and its salts. Look at ancillary substances		
Dairy Additives Fructooligosaccharides, Inulin-oligofructose enriched, Whey protein concentrate	205.606	JFo	 Y	Dairy additives. Combined TR		
Dairy Cultures	205.605(a)	JFo	1995 Y	TR for ancillary substances		
Diglycerides, Monoglycerides	205.605(b)	JR	1995 Y Lmt scope	Lmtd scope combined		

Enzymes	205.605(a)	JFo	Y Lmtd scope			
Ferrous sulfate, Nutrient vitamins and minerals, Potassium chloride, Potassium iodide	205.605(b), 205.605(a)	TF	Y	One TR for vitamins		
Calcium carbonate, Calcium hydroxide, Magnesium carbnte, Magnesium chloride, Magnesium sulfate, Potassium acid tartrate, Potassium carbonate, Potassium citrate, Potassium phosphate, Sodium hydroxide, Sodium phosphates	205.605(a), 205.605(b)	JT	Y Lmtd scope	One TR for minerals		
Pectin (non-amidated forms only)	205.606	ZS	Y Lmtd scope			
Fish oil	205.606	JR	Y			
Hydrogen peroxide	205.605(b)	JD	Y	Sanitizers		
Ozone	205.605(b)			Sanitizers		
Tocopherols	205.605(b)	TF	Y Lmtd Scope			
Xanthan gum	205.605(b)	ZS	Y			
Ammon bicarbonate, Ammon carbonate, Calcium phosphate (monobasic, dibasic, tribasic), Sodium bicarbonate, Sodium carbonate	205.605(b), 205.605(a)	HA	Y	Leavening agents		

Carbon dioxide, Ethylene, Nitrogen, Oxygen	205.605(b) 205.605(a)	JT	Y	Gases		
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Other projects			
Name	Contact	Notes*	Meeting
Ancillary Substances	ZS	Final Recommendation: Ancillary Substances (Auxiliary/"other" ingredients) (PDF)	Brief Update Spr 2014
BPA prohibition	ZS	Submitted briefing paper to NOP 01 12 14. Waiting for feedback from NOP.	Discussion doc TBD

* **Highlight** indicates committee action needed.

Agenda

- Approve notes from July 15, 2014
- Discuss Research Priorities
- Ferric pyrophosphate petition rejection update
- Discuss Volatile Solvents
- Discuss final 2016 Sunset Review Material (also review process and checklist to use)
 - Paracetic Acid - JFo
- Appoint reviewers and discuss sodium lactate and potassium lactate
- Update on TSPP: Limited Scope TR sufficiency due August 12, 2014
- Discuss Glycerin draft proposal
- Discuss Flavors
- Boiler panel suggestions and questions
- Update on Microorganisms and revised TR sufficiency due 8/27/2014
- Whole Algal Flour - reject/or request a TR
- Schedule additional call?
- Adjourn

Discussion

- **Notes from July 15, 2014** approved with one correction (there was a limited scope TR requested for tocopherols)
- Research Priorities. The group discussed the possibility of adding two items to the Research Priorities list: alternatives to boiler water additives and alternatives for BPA. Since the Research Priorities are not typically sent to food processors or manufacturing/food technology groups, the topic of boiler chemicals might not be a good fit for research priorities. The NOP noted that flavors continue to be a complicated issue although a member noted that this is a topic best addressed by the organic community and not the research community. The group was asked to provide other suggestions before the proposal deadline.
- Ferric pyrophosphate petition rejection update. The NOP notified the HS that the petition is ineligible since the substance is already permitted for iron fortification of food.
- Discuss volatile solvents. This topic was introduced as part of the conversation about the definition of processing aids (tocopherols or lecithin) and whether solvents are categorically prohibited or

not. The NOP described the interpretation of 205.270(c), which came up during the review of lecithin in 2010. Solvents may be part of the manufacturing of a 205.605 substance, and considered in the NOSB review of substances to list them at 205.605. They are not restricted in manufacture of non-organic agricultural substances on 205.606, unless specifically annotated. Hexane, however, cannot be used to extract organic lecithin. The NOSB will revisit this when lecithin comes up for review again.

- Peracetic Acid (2016 Sunset). Peracetic Acid was added to the National List in 2006, although the material review occurred earlier. There was a 2000 TAP review. Material has broad uses in industry and is used in many different contexts, such as food contact, a water sanitizer, and as a foot or hand dip. Prior public comment indicated it had broad support, and was relisted in 2010 sans kerfuffle. The lead reviewer recommended relisting.
- Sodium lactate and potassium lactate. These were petitioned in 2004, but not sent to NOSB for review because NOP determined they did not need to be on list. Recently the NOP reconsidered this and feels that they do need to be reviewed by the NOSB. Currently awaiting additional information or update from the petitioner. HA volunteered to be the lead reviewer for these two materials.
- TSPP: The TR was found sufficient. The HS Chair will inform the NOP. The lead noted that the TR was very informative and included many alternatives to TSPP. The group discussed adding the following language to the posting about the potential for removal: "Based on information provided in the most recent TR about alternatives, the HS is considering removal of this substance from the National List. Please provide evidence to the contrary or in support of this." Members discussed having a straw vote in Subcommittee for the public record.
- Glycerin draft proposal - petition to remove. The lead reviewer revisited the previous document that was originally prepared for the spring 2014 meeting, and is recommending that this material NOT be removed. A member suggested changing the annotation to allow for natural flavors only. The group discussed the process for this. Since this is a petition to remove, the question is whether or not they can vote to not remove it then change the annotation, or if it has to be petitioned for an annotation change. Another member, in support of narrowing the usage via an annotation change, added that the usage in natural flavors is very narrow and will only affect a handful of certifiers, and that those certifiers will be able to adapt. The group also discussed the comments from OTA that were received at the spring 2014 NOSB meeting proposing 3 different annotations..
- Boiler panel suggestions and questions. The HS is now reconsidering the need for the Boiler Water Additives panel at the fall 2014 meeting and will discuss it further.
- Update on Microorganisms and TR sufficiency. The TR was found sufficient. The members discussed what and how to present the summary at the fall 2014 Board meeting since the information regarding ancillary substances is very complex.
- Whole Algal Flour. Postponed to next call.
- Schedule additional call. The HS will add a call on August 20.
- **The meeting was adjourned**

[Previous HS Notes](#)

Future Call Schedule

July 15, 2014 1:00 ET (TF out of office)

2017 Sunset TR determinations

- Colors (JR) 17 materials
- Casing (JR)
- Flavors (JR)

- Fish oils (ZS)
- Misc Ingredients (JD) - Celery powder, Chia (Salvia hispanica L.), Dillweed oil, Galangal, frozen, Lemongrass-frozen, Orange pulp, dried, Peppers (Chipotle chile), Turkish bay leaves
- Sanitizers (JD) - Acidified sodium chlorite, Calcium hypochlorite, Chlorine dioxide, Hydrogen peroxide, Ozone, Phosphoric acid, Sodium hypochlorite
- Alginic acid (TF)
- Vitamins & Minerals (TF) - Calcium chloride, Ferrous sulfate, Nutrient vitamins and minerals, Potassium chloride, Potassium iodide
- Gases (JT) - Carbon dioxide, Ethylene, Nitrogen, Oxygen
- Enzymes (JFo) I think we may have skipped this one (I didn't have it on the list for discussion)

Prioritize TRs and finalize them

Research priorities discussion

Discuss volatile extractants

Status on Limited Scope TR for TSPP

Discuss potential panelists for Boiler Panel

Discuss Glycerin draft proposal (TF)

Discuss 2016 Sunset materials for first posting (fall 2014)

Paracetic acid (JFo)

Assign reviewers for sodium lactate and potassium lactate

Aug 5, 2014 1:00 ET

Research priorities discussion/finalization

Discuss volatile extractants

Status on Limited Scope TR for TSPP

Discuss potential panelists for Boiler Additives Panel

Discuss Glycerin draft proposal (TF)

Discuss four 2015 Sunset proposals: Marsala, Sherry, Tragacanth and Gellan Gum

Discuss 2016 Sunset materials for first posting (fall 2014)

Paracetic acid (JFo)

Assign reviewers for sodium lactate and potassium lactate

Aug 19, 2014 1:00 ET

Whole Algal Flour

Revisit Tocopherols to see if they will be covered in the TR for Crops?

Aug 20, 2014 1:00 ET. Additional call

Sep 2, 2014 1:00 ET

Sep 16, 2014 1:00 ET

Oct 7, 2014 1:00 ET

Oct 21, 2014 1:00 ET

Nov 4, 2014 1:00 ET

Nov 18, 2014 1:00 ET

Fall 2014 Milestones	Target date
NOSB Subcommittee requests technical reports for Sunset 2017 substances	Jul 15, 2014
NOP - Complete tentative agenda	Aug 7, 2014
NOSB - Fall 2014 proposals due to NOP	Aug 27, 2014

NOP - Post proposals, Publish FRN, Open public comment	Sep 8, 2014
NOSB Subcommittees - submit tentative workplans to NOP	Sept 11, 2014
Discuss workplans on ES call	Sept 12, 2014
Public comment closes	Oct 7, 2014
Workplans finalized on ES call (last call before fall mtg)	Oct 17, 2014
NOP - Send compiled public comments to NOSB	Oct 13, 2014
Fall 2014 NOSB Meeting – Louisville, KY	Oct 27 - Oct 31

2017 Sunsets (TR requests due to NOP July 15, 2014)

Substance * Highlight = Multiple listings * Greyed out = moved to table above as they are reviewed	Contact	TR	New TR Rqust	Misc notes	Vote	Meeting Summary: Spr 2015 Review: Fall 2015
Acidified sodium chlorite	JD	2008	N (07 15 14)	SANITIZERS		
Alginates	ZS	1995	Y (07 01 14) combined w/alginic acid	GUMS, THICKENING AGENTS		
Alginic acid	TF	none	Y (07 15 14) combined w/alginates			
Ammonium bicarbonate	HA	2004	N (07 01 14)	LEAVENING AGENTS		
Ammonium carbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Arabic gum	ZS	1995	Y Lmtd Scope (07 01 14) + carob bean, guar gum, locust bean	GUMS, THICKENING AGENTS		
Ascorbic acid	TF	1995	N (07 08 14)	VITAMINS & MINERALS		
Attapulgate	JR	2010	N (06 17 14)	FILTERING AGENT		
Beet juice extract color	JR	None	Y (07 15 14)	COLORS		
Bentonite	JR	1995	N (06 17 14)	FILTERING AGENT		
Black currant juice color	JR	None	Y (07 15 14)	COLORS		
Black/Purple carrot juice color	JR	None	Y (07 15 14)	COLORS		
Blueberry juice color	JR	None	Y (07 15 14)	COLORS		
Calcium carbonate	JT	1995	N or Low priority (07 01 14) & (07 08 14)	MINERALS		
Calcium chloride	TF		Y (07 15 14)	VITAMINS & MINERALS		
Calcium citrate	JFo	1995	Y (06 17 14)	FOOD ACIDS		
Calcium hydroxide	JT	1995	N (07 01 14) Maybe (07 08 14)	MINERALS		
Calcium hypochlorite	JD	2006	N (07 15 14)	SANITIZERS		
Calcium phosphate dibasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Calcium phosphate monobasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Calcium phosphate tribasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Carbon dioxide	JT	2006		GASES		

Carnauba Wax	ZS	-	Y. Done. Found Suff 06 03 14	FRUIT COATINGS		
Carob bean gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, guar gum, locust bean	GUMS, THICKENING AGENTS		
Carrot juice color	JR	None	Y (07 15 14)	COLORS		
Casings	JR		N (07 15 14)			
Celery powder	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Cherry juice color	MS	None	Y (07 15 14)	COLORS		
Chia (Salvia hispanica L.)	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Chlorine dioxide	JD	2006	N (07 15 14)	SANITIZERS		
Chokeberry—Aronia juice color	JR	None	Y (07 15 14)	COLORS		
Citric acid	JFo	1995	Y (06 17 14) + its salts	FOOD ACIDS		
Cornstarch (native)	ZS	1995	N (07 01 14)	GUMS, THICKENING AGENTS		
Dairy cultures	JFo	1995	Y (06 17 14) for anc substances			
Diatomaceous earth	JR	1995	N (06 17 14)	FILTERING AGENT		
Diglycerides	JR	1995	Y Lmtd scope (06 17 14) (combined with mono-)	DRYING		
Dillweed oil	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Elderberry juice color	JR	None	Y (07 15 14)	COLORS		
Enzymes	JFo	2011	N (07 15 14)			
Ethylene	JT	1999		GASES		
Ferrous sulfate	TF	1995	Y (07 15 14) One for vit/one for mins	VITAMINS & MINERALS		
Fish oil	JR	None	Y (07 15 14)			
Flavors	JR	2005	N (07 15 14)			
Fructooligosaccharides	JFo	2006	Y. As group (06 17 14)	DAIRY ADDITIVES		
Galangal, frozen	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Gelatin	ZS	2002	N (07 01 14)	GUMS, THICKENING AGENTS		
Glycerin	JR	2013	?	FILTERING AGENT		
Grape juice color	JR	None	Y (07 15 14)	COLORS		
Grape skin extract color	JR	None	Y (07 15 14)	COLORS		
Guar gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, carob bean, locust bean	GUMS, THICKENING AGENTS		

Hydrogen peroxide	JD		Y (07 15 14)	SANITIZERS		
Inulin-oligofructose enriched	JFo	None	Y. As group (06 17 14)	DAIRY ADDITIVES		
Kaolin	JR	1995	N (06 17 14)	FILTERING AGENT		
Kelp	ZS	1995	N (07 01 14)	GUMS, THICKENING AGENTS		
Konjac flour	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Lactic acid	JFo	1995	Y (06 17 14) + its salts	FOOD ACIDS		
Lecithin - de-oiled	ZS	2009	N (07 01 14)/(07 15 14)	PRESERVATIVES, THICKENERS		
Lemongrass-frozen	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Locust bean gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, guar gum, carob bean	GUMS, THICKENING AGENTS		
Magnesium carbonate	JT	1996	? (07 08 14)	MINERALS		
Magnesium chloride	JT	1995	? (07 08 14)	MINERALS		
Magnesium stearate	JR	1995	N (06 17 14)	DRYING		
Magnesium sulfate	JT	2011	? Lmtd scope (07 01 14)	MINERALS		
Monoglycerides	JR	1995	Y Lmtd scope (06 17 14) (combined with di-)	DRYING		
Nitrogen	JT	1995		GASES		
Nutrient vitamins and minerals	TF	1995	Y (07 15 14) One for vit/one for mins	VITAMINS & MINERALS		
Orange pulp, dried	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Orange Shellac	ZS	-	Y. Done. Found Suff 06 03 14	FRUIT COATINGS		
Oxygen	JT			GASES		
Ozone	JD	2002	Y (07 15 14)	SANITIZERS		
Paprika color	JR	None	Y (07 15 14)	COLORS		
Pectin (non-amidated forms only)	ZS	2010	? (07 01 14)	GUMS, THICKENING AGENTS		
Peppers (Chipotle chile)	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Perlite	JR	1996	N (06 17 14)	FILTERING AGENT		
Phosphoric acid	JD		N (07 15 14)	SANITIZERS		
Potassium acid tartrate	JT	1995	N (07 08 14)	MINERALS		
Potassium carbonate	JT	1995	Y (07 08 14)	MINERALS		
Potassium chloride	TF		Y (07 15 14) Lmtd scope	VITAMINS & MINERALS		
Potassium citrate	JT	1995	? (07 08 14)	MINERALS		
Potassium iodide	TF	2011	Y (07 15 14) One	VITAMINS & MINERALS		

			for vit/one for mins			
Potassium phosphate	JT	1995	Y (07 08 14)	MINERALS		
Pumpkin juice color	JR	None	Y (07 15 14)	COLORS		
Purple potato juice	JR	None	Y (07 15 14)	COLORS		
Red cabbage extract color	JR	None	Y (07 15 14)	COLORS		
Red radish extract color	JR	None	Y (07 15 14)	COLORS		
Saffron extract color	JR	None	Y (07 15 14)	COLORS		
Seaweed, Pacific kombu	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Silicon dioxide	JR	2010		FILTERING AGENT	November 2018 sunset date, not 2017	
Sodium bicarbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Sodium carbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Sodium citrate	JFo	1995	N (06 17 14)	FOOD ACIDS		
Sodium hydroxide	JT	1995	Y (07 08 14)	MINERALS		
Sodium hypochlorite	JD	2006	N (07 15 14)	SANITIZERS		
Sodium phosphates	JT	2001	Y (07 08 14)	MINERALS		
Sulfur dioxide	JD	2011	N (07 01 14)	PRESERVATIVES, THICKENERS		
Sweet potato starch	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Tocopherols	TF	1995	Y (07 01 14)	PRESERVATIVES, THICKENERS		
Turkish bay leaves	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Turmeric extract color	JR	None	Y (07 15 14)	COLORS		
Wakame seaweed (Undaria pinnatifida)	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Whey protein concentrate	JFo	None	Y. As group (06 17 14)	DAIRY ADDITIVES		
Wood rosin	ZS	-	Y. Done. Found Suff 06 03 14	Y. Done. Found Suff 06 03 14		
Xanthan gum	ZS	1995	Y Lmtd scope (07 01 14)	GUMS, THICKENING AGENTS		
Yeast	JFo	-	Y. Done. Found Suff 06 03 14			

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy or regulations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

**National Organic Standards Board (NOSB)
Handling Subcommittee (HS) Meeting Notes
Tuesday, August 19, 2014 2:00 pm ET**

Present: Harold Austin, Chair (HA), John Foster, Vice Chair (JFo), Zea Sonnabend (ZS), Tracy Favre (TF), Joe Dickson (JD), Mac Stone (MS)

Absent: Jean Richardson (JR), Jennifer Taylor (JT)

Staff: Michelle Arsenault (MA), Emily Brown Rosen (EBR)

Work Plan

Petitioned Substances						
Substance	National List §	Contact	TR reqst?	Notes*	Vote	Meeting
Gibberellic acid Petition Addendum	Add to 205.605	ZS, TF	2011 TR	Petition sent to HS 07 27 12. Petition suff response due 09 27 12. Sent back to petitioner for additional questions 01 09 13. Rcvd response 04 16 13. On hold until post-harvest handling (PHH) draft guidance is published. Draft PHH published 04 25 14.		TBD
Whole algal flour Petition Addendum #1	205.606	HA	No	Petition sent to HS on 09 30 13. Petition suff (including TR Request, if applicable) due 11 29 13. Petition found insufficient. Sent addit'l Q's to petitioner. Pet. Addendum sent to HS 01 22 14. Sufficiency due 02 25 14. Petition found "complete" 02 18 14. No new TR will be requested	08 19 14	Proposal Fall 2014
Ammonium hydroxide (boiler water additive)	Add to 205.605	JR	No 2001 TAP	2000 petition . 2001 Recommendation . 2001 Background Paper . 2012 Petition sent to HS 11 06 12. Petition Sufficiency Response Due Date: 01 27 13. Petition found sufficient 12 18 12. No TR requested. Original proposal revised for spring 2014 meeting.		Proposal Spr 2015
Glycerin CAS #(56-81-5)	Remove from 205.605(b)	TF	1995 TR 2013 TR	Petition sent to HS on 01 09 13. Sufficiency response due 03 11 13. TR sent to HS on 06 11 13. Sufficiency due 08 12 13. TR found suff 07 02 13	08 20 14	Proposal Fall 2014

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Polyalkylene glycol monobutyl ether PGME (PDF) (CAS # 9038-95-3) As a boiler water additive	205.605	JR	2013 TR	Petition sent to MS/HS 01 28 13. TR Requested 2 19 2013. Draft TR sent to HS 06 11 13. TR sufficiency response due 08 12 13. TR found sufficient 07 02 13. Discussion doc returned to HS for further review. Supplemental TR rqstd 05 20 14. Waiting for petitioner response before proceeding with updated TR		Proposal Spr 2015
Triethyl Citrate	205.605	JR	Y	Petition sent to HS 03 04 14. Rqst for Q's or TR due 05 06 14. TR requested 04 16 14. TR in development (expected October 2014).		Proposal Spr 2015
Sodium Lactate	205.605	HA		Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition. Due mid-September.		TBD
Potassium Lactate	205.605	HA		Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition. Due mid-September.		TBD

2015 Sunsets § 205.605(a) and 205.606						
Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gellan gum CAS # 71010-52-1	205.605(a)	JD	Y	2006 TR , 2008 Recommendation 2010 FR notice	08 20 14	Summary: Spr 2014 Review: Fall 2014
Marsala	205.606(g)	TF	N	2008 Recommendation 2010 FR notice	08 20 14	Summary: Spr 2014 Review: Fall 2014
Sherry	205.606(g)	TF	N	2008 Recommendation 2010 FR notice	08 20 14	Summary: Spr 2014 Review: Fall 2014
Tragacanth CAS # 9000-65-1	205.606(x)	JD	N	2008 Recommendation 2010 FR notice	08 20 14	Summary: Spr 2014 Review: Fall 2014

2016 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP Jan 2014)

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Egg white lysozyme CAS # 9001-63-2	205.605(a)	TF	No new TR 2011 TR 2003 TAP	Final Sunset Recommendation on Egg White Lysozyme on 205.605b (PDF) Nov 2009. No new questions	NA	Summary: Fall 2014 Review: Spr 2015
Microorganisms	205.605	ZS	Y 2003 TAP	Final Sunset Recommendation on Microorganisms on 205.605b (PDF) Nov 2009. TR requested by NOP Aug 26 2013. TR sent to HS 01 23 14. TR suff due 03 25 14. TR found not sufficient. TR sent to HS 07 24 14. Suffic due 08 27 14. TR found sufficient	NA	Summary: Fall 2014 Review: Spr 2015
Activated charcoal CAS #s 7440-44-0; 64365-11-3	205.605(b)	HA	No new TR 2002 TAP	Final Sunset Recommendation on Activated Charcoal on 205.605b (PDF) Nov 2009 Add questions for posting.	NA	Summary: Fall 2014 Review: Spr 2015
Peracetic acid CAS # 79-21-0	205.605(b))	JFo	No new TR 2000 TAP	Final Sunset Recommendation on Peracetic Acid on 205.605b (PDF) Oct 2009 No new questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Cyclohexylamine CAS # 108 -91-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Cyclohexylamine on 205.605b (PDF) Nov 2009. TR determination: 01 17 14 Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Diethylaminoethanol CAS # 100-37-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Dethylaminoethanol on 205.605b (PDF) Nov 2009. TR determination: 01 17 14 Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Octadecylamine CAS # 124-30-1	205.605(b)	TF	2001 TAP No new TR request	Final Sunset Recommendation on Octadecylamine on 205.605b (PDF) Nov. 2009 Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015

L-Malic acid CAS # 97 -67-6).	205.605(a)	JD	2003 TAP No new TR	Final Sunset Recommendation on L-Malic Acid on 205.605b (PDF) Nov 2009. TR determination: 01 17 14 Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Sodium acid pyrophosphate CAS # 7758-16-9 2009 Expanded use	205.605(b)	JD	2001 TAP 2010 TR No New TR	Apr 2011 Subcomm recommendation April 2011 NOSB recommendation Final Sunset Recommendation on SAPP on 205.605b (PDF) Nov 2009. Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Tetrasodium pyrophosphate (TSPP) CAS # 7722-88-5	205.605(b)	ZS	Y 2002 TR	Final Sunset Recommendation on TSPP on 205.605b (PDF) Nov 2009. Requested a limtd scope TR 01 12 14. Lmtd Scope TR sent to HS 06 11 14. TR sufficiency due 08 12 14. TR found sufficient 08 05 14	NA	Summary: Fall 2014 Review: Spr 2015

2017 Sunsets §205.605(a) , §205.605(b) and 205.606

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Yeast (2006) (PDF) Petition Supplement (2010) (PDF) Petition Memorandum (2010) (PDF)	205.605	JFo	Y	NOP 5014 – Certification of Organic Yeast (PDF) TAP – Yeast, Autolysate, 1995 TAP – Yeast, Bakers, 1995 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 NOSB Formal Rec (2010) NOSB Committee Rec (2010) NOSB Committee Rec (2007) 2014 TR sent to HS 01 22 14.		Summary: Spr 2015 Review: Fall 2015

Carnauba Wax	205.605	ZS	Y	TAP for Fruit Waxes, 1996 (PDF) 2014 TR sent to HS 01 24 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015
Orange Shellac	205.606	ZS	Y	TAP, 2002 (PDF) 2014 TR sent to HS 01 27 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015
Wood rosin	205.606	ZS	Y	TR sent to HS on 01 24 14. Sufficiency due July 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015
Alginates/ Alginic acid	205.605(b)/ 205.605(a)	ZS,T F	1995 TR Y	Combined TR		
Arabic gum, Carob bean gum, Guar gum, Locust bean gum	205.606	ZS	1995 Y Lmt Scope	Gums. Combined TR		
Colors	205.606	JR	Y	All colors (17 total)		
Calcium citrate, Citric acid, Lactic acid, Sodium citrate	205.605(a) 205.605(b)	JFo	1995 Y	Food Acids + salts. 2 TRs: One for citric acid and its salts, and one for lactic acid and its salts. Look at ancillary substances		
Dairy Additives Fructooligosaccharides, Inulin-oligofructose enriched, Whey protein concentrate	205.606	JFo	Y	Dairy additives. Combined TR		
Dairy Cultures	205.605(a)	JFo	1995 Y	TR for ancillary substances		
Diglycerides, Monoglycerides	205.605(b)	JR	1995 Y Lmt scope	Lmtd scope combined		

Enzymes	205.605(a)	JFo	Y Lmtd scope			
Ferrous sulfate, Nutrient vitamins and minerals, Potassium chloride, Potassium iodide	205.605(b), 205.605(a)	TF	Y	One TR for vitamins		
Calcium carbonate, Calcium hydroxide, Magnesium carbnte, Magnesium chloride, Magnesium sulfate, Potassium acid tartrate, Potassium carbonate, Potassium citrate, Potassium phosphate, Sodium hydroxide, Sodium phosphates	205.605(a), 205.605(b)	JT	Y Lmtd scope	One TR for minerals		
Pectin (non-amidated forms only)	205.606	ZS	Y Lmtd scope			
Fish oil	205.606	JR	Y			
Hydrogen peroxide	205.605(b)	JD	Y	Sanitizers		
Ozone	205.605(b)			Sanitizers		
Tocopherols	205.605(b)	TF	Y Lmtd Scope			
Xanthan gum	205.605(b)	ZS	Y			
Ammon bicarbonate, Ammon carbonate, Calcium phosphate (monobasic, dibasic, tribasic), Sodium bicarbonate, Sodium carbonate	205.605(b), 205.605(a)	HA	Y	Leavening agents		

Carbon dioxide, Ethylene, Nitrogen, Oxygen	205.605(b) 205.605(a)	JT	Y	Gases		
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Other projects			
Name	Contact	Notes*	Meeting
Ancillary Substances	ZS	Final Recommendation: Ancillary Substances (Auxiliary/"other" ingredients) (PDF)	Brief Update Spr 2014
BPA prohibition	ZS	Submitted briefing paper to NOP 01 12 14. Waiting for feedback from NOP.	Discussion doc TBD

* **Highlight** indicates committee action needed.

Agenda

- Approve notes from August 5, 2014
- Revisit Tocopherols to see if they will be covered in the TR for Crops.
- Whole Algal Flour
- Discuss Glycerin and how to move ahead.
- Discuss the 4 Sunset 2015 Materials and the 2nd Checklist (latest version) for posting. Discussion and vote.
- Discuss decisions on: Gibberellic Acid, Triethyl Citrate, PGME, Ammonium Hydroxide
- Discuss the 10 Sunset 2016 Materials and the 1st Checklist for posting. Discussion and decision on questions to pose in this posting.
- Adjourn

Discussion

- **Notes from August 5, 2014** approved with no changes
- **Tocopherols.** Preservative with ancillaries, so perhaps the group will request a limited scope TR.
- **Whole Algal Flour.** The group discussed how to proceed given that the petition contained a tremendous amount of CBI and most of text was redacted. Additionally, the new CBI policy will be in place soon. The HS feels that because they cannot conduct a thorough review that they will reject this petition. The reviewer noted that the substance is used to replace organic ingredients and there appear to be alternatives. The HS also requested more information from the petitioner, which was provided, but also includes redacted CBI information. . The Chair proceeded to a vote on Whole Algal Flour.

Motion to classify Whole Algal Flour as petitioned as non-synthetic

Motion by: HA

Seconded: JFo

Yes: 0 No: 0 Abstain: 6 Absent: 2 Recuse: 0

Motion to list Whole Algal Flour at 205.606

Motion by: HA

Seconded: JFo

Yes: 0 No: 6 Abstain: 0 Absent: 2 Recusals: 0

- **Discuss Glycerin and petition to remove.** The lead reviewer circulated a revised proposal and the group discussed how best to proceed. Public comments from various stakeholders, including OTA, were complex and the group discussed the clearest way to list this material. A member suggested listing glycerin at 206.606 until the question of commercial availability is settled. All members present were in support of the petition to remove from 205.605, and the idea of adding it to 205.606. NOP indicated that the group could do that without having to petition to have it added because this material is not a Sunset Review. Adding glycerin to 205.606 adds a restriction and incentive to the processors to manufacture organic glycerin. The lead will edit the proposal and the group will vote tomorrow.
- **Discuss the 4 Sunset 2015 Materials** and the 2nd Checklist (latest version) for posting. The group discussed the standard language that the Subcommittee will add to each of the 2015 sunset materials proposals regarding the motion to remove, and whether or not this was a change to what was published in the FR notice about the new sunset process. The HS Chair noted that this is not a change but feels that it just adds clarity. The group will vote on these materials during tomorrow's call.

The following items were deferred to the next call, August 20.

- **Discuss the 10 Sunset 2016 Materials** and the 1st Checklist for posting.
 - Peracetic Acid – TAP is from 1999 and is fairly complete. Past discussions recognize that it is a preferable alternative to chlorine, widespread use. Sunset 2016. No additional questions are needed, so the group will post the summary only.
 - TSPP
 - Microorganisms
- **Discuss decisions on the following:**
 - Gibberellic Acid - postpone until Draft Guidance is finalized
 - Triethyl Citrate - -TR is in progress. PGME - The HS is waiting for a response from the petitioner, after which they will determine if they should request a Limited Scope TR.
 - Ammonium Hydroxide - Postponing until spring to get more information about the 3 boiler "amines". Additionally the HS would like to move the Boiler Panel discussion until the spring meeting.
- **The meeting was recessed**

August 20, 2014 - The HS meeting was reconvened.

- Discuss the 4 Sunset 2015 Materials and the 2nd Checklist (latest version) for posting.
 - **Tragacanth and Gellen Gum.** The lead noted that the NOSB didn't receive much feedback from the public. The group edited some minor language and discussed ancillary substances. Members also discussed the boilerplate paragraph about the motion to remove and the possibility of adding language about their true intention regarding the material. A member suggested the addition of clarifying language stating that the Subcommittee doesn't necessarily think the material is incompatible, but that they are voting in this manner to accommodate the new sunset process. The NOP provided instructions about motioning to remove all Sunset Materials, regardless of the actual intent, in order for the material to be

put forth to the full Board for a vote. JD will add the appropriate OFPA criteria for removal. The group moved to a vote.

Motion to remove Gellen Gum from 205.605

Motion by: JD

Seconded by: JFo

Discussion: No additional disc

Yes: 0 No: 6 Abstain: 0 Absent: 2 Recuse: 0

Motion to remove Tragacanth from 205.605

Motion by: JD

Seconded by: HA

Discussion: no additional discussion

Yes: 0 No: 6 Abstain: 0 Absent: 2 Recuse: 0

- **Sherry/Marsala.** The HS received few public comments during the first posting for these materials. There appears to be little need or demand and there are organic alternatives. The lead reviewer will write a summary paragraph stating the Subcommittee determination, based on availability of alternatives. The group moved to a vote.

Motion to remove Sherry from 205.606

Motion by: Tracy Favre

Seconded by: Zea Sonnabend

Yes: 6 No: 0 Abstain: 0 Recuse: 0 Absent: 2

Motion to remove Marsala from 205.606

Motion by: Tracy Favre

Seconded by: Zea Sonnabend

Yes: 6 No: 0 Abstain: 0 Recuse: 0 Absent: 2

- **Glycerin:** The latest iteration of the proposal was circulated prior to the call and the group discussed the various options. One idea considered moving glycerin from 205.605 to 205.606, but members felt that this might unintentionally restrict usage. The NOP noted that if the Subcommittee places it on 205.606, handlers will still be able to use organic glycerin that is made from hydrolysis of organic fats and oils, and this can still be certified. The NOP suggested a motion to classify as agricultural, if the NOSB wants to add it to 205.606. Then they could describe in the narrative which forms are agricultural. A member noted that if glycerin is on 205.606 it will specify that the only kinds that can be used are organic or agricultural non-organic. If it is also listed at 205.605, then non-agricultural synthetic forms could be used when organic is not available. The group discussed the implications of placing it on both sections. TF will add language to the summary and revise checklist. The HS will vote via email. ABS Note: Vote completed 08 25 14 via email.

Motion to classify glycerin produced through microbial fermentation, which is not the only source, as agricultural

Motion by: TF

Seconded by: HA

Discussion: No additional discussion
Yes: 7 No: 0 Abstain: 0 Absent: 1 Recuse: 0

Motion to add glycerin to 205.606

Motion by: TF

Seconded by: HA

Discussion: No additional discussion
Yes: 7 No: 0 Abstain: 0 Absent: 1 Recuse: 0

Motion to remove glycerin produced by hydrolysis of fats and oils from 205.605(b)

Motion by: TF

Seconded by: HA

Discussion: No additional discussion
Yes: 7 No: 0 Abstain: 0 Absent: 1 Recuse: 0

- **TSPP.** The Subcommittee compiled some questions for posting and added language about their intention, which is to remove this substance from the list.
- **Microorganisms.** The group briefly discussed the document and the chart that the lead reviewer compiled. The lead noted the addition of some materials as ancillary substances such as corn flour, milk, autolyzed yeasts and inulin, and discussed whether or not to include those ancillaries used in yeast or enzymes. It was decided that these will be reviewed separately under their individual sunset listings.

[Previous HS Notes](#)

Future Call Schedule

Aug 5, 2014 1:00 ET

Research priorities discussion/finalization

Discuss volatile extractants

Status on Limited Scope TR for TSPP

Discuss potential panelists for Boiler Additives Panel

Discuss Glycerin draft proposal (TF)

Discuss four 2015 Sunset proposals: Marsala, Sherry, Tragacanth and Gellan Gum

Discuss 2016 Sunset materials for first posting (fall 2014)

Paracetic acid (JFo)

Assign reviewers for sodium lactate and potassium lactate

Aug 19, 2014 1:00 ET

Whole Algal Flour

Revisit Tocopherols to see if they will be covered in the TR for Crops?

Aug 20, 2014 1:00 ET. Additional call

Sep 2, 2014 1:00 ET

Sep 16, 2014 1:00 ET

Oct 7, 2014 1:00 ET

Oct 21, 2014 1:00 ET

Nov 4, 2014 1:00 ET

Nov 18, 2014 1:00 ET

Fall 2014 Milestones	Target date
NOSB Subcommittee requests technical reports for Sunset 2017 substances	Jul 15, 2014
NOP - Complete tentative agenda	Aug 7, 2014
NOSB - Fall 2014 proposals due to NOP	Aug 27, 2014
NOP - Post proposals, Publish FRN, Open public comment	Sep 8, 2014
NOSB Subcommittees - submit tentative workplans to NOP	Sept 11, 2014
Discuss workplans on ES call	Sept 12, 2014
Public comment closes	Oct 7, 2014
Workplans finalized on ES call (last call before fall mtg)	Oct 17, 2014
NOP - Send compiled public comments to NOSB	Oct 13, 2014
Fall 2014 NOSB Meeting – Louisville, KY	Oct 27 - Oct 31

2017 Sunsets (TR requests due to NOP July 15, 2014)

Substance * Highlight = Multiple listings * Greyed out = moved to table above as they are reviewed	Contact	TR	New TR Rqust	Misc notes	Vote	Meeting Summary: Spr 2015 Review: Fall 2015
Acidified sodium chlorite	JD	2008	N (07 15 14)	SANITIZERS		
Alginates	ZS	1995	Y (07 01 14) combined w/alginic acid	GUMS, THICKENING AGENTS		
Alginic acid	TF	none	Y (07 15 14) combined w/alginate			
Ammonium bicarbonate	HA	2004	N (07 01 14)	LEAVENING AGENTS		
Ammonium carbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Arabic gum	ZS	1995	Y Lmtd Scope (07 01 14) + carob bean, guar gum, locust bean	GUMS, THICKENING AGENTS		
Ascorbic acid	TF	1995	N (07 08 14)	VITAMINS & MINERALS		
Attapulgate	JR	2010	N (06 17 14)	FILTERING AGENT		
Beet juice extract color	JR	None	Y (07 15 14)	COLORS		
Bentonite	JR	1995	N (06 17 14)	FILTERING AGENT		
Black currant juice color	JR	None	Y (07 15 14)	COLORS		
Black/Purple carrot juice color	JR	None	Y (07 15 14)	COLORS		
Blueberry juice color	JR	None	Y (07 15 14)	COLORS		
Calcium carbonate	JT	1995	N or Low priority (07 01 14) & (07 08 14)	MINERALS		
Calcium chloride	TF		Y (07 15 14)	VITAMINS & MINERALS		
Calcium citrate	JFo	1995	Y (06 17 14)	FOOD ACIDS		
Calcium hydroxide	JT	1995	N (07 01 14) Maybe (07 08 14)	MINERALS		
Calcium hypochlorite	JD	2006	N (07 15 14)	SANITIZERS		
Calcium phosphate dibasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Calcium phosphate monobasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Calcium phosphate tribasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Carbon dioxide	JT	2006		GASES		

Carnauba Wax	ZS	-	Y. Done. Found Suff 06 03 14	FRUIT COATINGS		
Carob bean gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, guar gum, locust bean	GUMS, THICKENING AGENTS		
Carrot juice color	JR	None	Y (07 15 14)	COLORS		
Casings	JR		N (07 15 14)			
Celery powder	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Cherry juice color	MS	None	Y (07 15 14)	COLORS		
Chia (Salvia hispanica L.)	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Chlorine dioxide	JD	2006	N (07 15 14)	SANITIZERS		
Chokeberry—Aronia juice color	JR	None	Y (07 15 14)	COLORS		
Citric acid	JFo	1995	Y (06 17 14) + its salts	FOOD ACIDS		
Cornstarch (native)	ZS	1995	N (07 01 14)	GUMS, THICKENING AGENTS		
Dairy cultures	JFo	1995	Y (06 17 14) for anc substances			
Diatomaceous earth	JR	1995	N (06 17 14)	FILTERING AGENT		
Diglycerides	JR	1995	Y Lmtd scope (06 17 14) (combined with mono-)	DRYING		
Dillweed oil	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Elderberry juice color	JR	None	Y (07 15 14)	COLORS		
Enzymes	JFo	2011	N (07 15 14)			
Ethylene	JT	1999		GASES		
Ferrous sulfate	TF	1995	Y (07 15 14) One for vit/one for mins	VITAMINS & MINERALS		
Fish oil	JR	None	Y (07 15 14)			
Flavors	JR	2005	N (07 15 14)			
Fructooligosaccharides	JFo	2006	Y. As group (06 17 14)	DAIRY ADDITIVES		
Galangal, frozen	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Gelatin	ZS	2002	N (07 01 14)	GUMS, THICKENING AGENTS		
Glycerin	JR	2013	?	FILTERING AGENT		
Grape juice color	JR	None	Y (07 15 14)	COLORS		
Grape skin extract color	JR	None	Y (07 15 14)	COLORS		
Guar gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, carob bean, locust bean	GUMS, THICKENING AGENTS		

Hydrogen peroxide	JD		Y (07 15 14)	SANITIZERS		
Inulin-oligofructose enriched	JFo	None	Y. As group (06 17 14)	DAIRY ADDITIVES		
Kaolin	JR	1995	N (06 17 14)	FILTERING AGENT		
Kelp	ZS	1995	N (07 01 14)	GUMS, THICKENING AGENTS		
Konjac flour	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Lactic acid	JFo	1995	Y (06 17 14) + its salts	FOOD ACIDS		
Lecithin - de-oiled	ZS	2009	N (07 01 14)/(07 15 14)	PRESERVATIVES, THICKENERS		
Lemongrass-frozen	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Locust bean gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, guar gum, carob bean	GUMS, THICKENING AGENTS		
Magnesium carbonate	JT	1996	? (07 08 14)	MINERALS		
Magnesium chloride	JT	1995	? (07 08 14)	MINERALS		
Magnesium stearate	JR	1995	N (06 17 14)	DRYING		
Magnesium sulfate	JT	2011	? Lmtd scope (07 01 14)	MINERALS		
Monoglycerides	JR	1995	Y Lmtd scope (06 17 14) (combined with di-)	DRYING		
Nitrogen	JT	1995		GASES		
Nutrient vitamins and minerals	TF	1995	Y (07 15 14) One for vit/one for mins	VITAMINS & MINERALS		
Orange pulp, dried	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Orange Shellac	ZS	-	Y. Done. Found Suff 06 03 14	FRUIT COATINGS		
Oxygen	JT			GASES		
Ozone	JD	2002	Y (07 15 14)	SANITIZERS		
Paprika color	JR	None	Y (07 15 14)	COLORS		
Pectin (non-amidated forms only)	ZS	2010	? (07 01 14)	GUMS, THICKENING AGENTS		
Peppers (Chipotle chile)	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Perlite	JR	1996	N (06 17 14)	FILTERING AGENT		
Phosphoric acid	JD		N (07 15 14)	SANITIZERS		
Potassium acid tartrate	JT	1995	N (07 08 14)	MINERALS		
Potassium carbonate	JT	1995	Y (07 08 14)	MINERALS		
Potassium chloride	TF		Y (07 15 14) Lmtd scope	VITAMINS & MINERALS		
Potassium citrate	JT	1995	? (07 08 14)	MINERALS		
Potassium iodide	TF	2011	Y (07 15 14) One	VITAMINS & MINERALS		

			for vit/one for mins			
Potassium phosphate	JT	1995	Y (07 08 14)	MINERALS		
Pumpkin juice color	JR	None	Y (07 15 14)	COLORS		
Purple potato juice	JR	None	Y (07 15 14)	COLORS		
Red cabbage extract color	JR	None	Y (07 15 14)	COLORS		
Red radish extract color	JR	None	Y (07 15 14)	COLORS		
Saffron extract color	JR	None	Y (07 15 14)	COLORS		
Seaweed, Pacific kombu	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Silicon dioxide	JR	2010		FILTERING AGENT	November 2018 sunset date, not 2017	
Sodium bicarbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Sodium carbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Sodium citrate	JFo	1995	N (06 17 14)	FOOD ACIDS		
Sodium hydroxide	JT	1995	Y (07 08 14)	MINERALS		
Sodium hypochlorite	JD	2006	N (07 15 14)	SANITIZERS		
Sodium phosphates	JT	2001	Y (07 08 14)	MINERALS		
Sulfur dioxide	JD	2011	N (07 01 14)	PRESERVATIVES, THICKENERS		
Sweet potato starch	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Tocopherols	TF	1995	Y (07 01 14)	PRESERVATIVES, THICKENERS		
Turkish bay leaves	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Turmeric extract color	JR	None	Y (07 15 14)	COLORS		
Wakame seaweed (Undaria pinnatifida)	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Whey protein concentrate	JFo	None	Y. As group (06 17 14)	DAIRY ADDITIVES		
Wood rosin	ZS	-	Y. Done. Found Suff 06 03 14	Y. Done. Found Suff 06 03 14		
Xanthan gum	ZS	1995	Y Lmtd scope (07 01 14)	GUMS, THICKENING AGENTS		
Yeast	JFo	-	Y. Done. Found Suff 06 03 14			

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy or regulations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

**National Organic Standards Board (NOSB)
Handling Subcommittee (HS) Meeting Notes
Tuesday, September 2, 2014 2:00 pm ET**

Present: Harold Austin, Chair (HA), Zea Sonnabend (ZS), Tracy Favre (TF), Joe Dickson (JD), Jean Richardson (JR), Mac Stone (MS), John Foster, Vice Chair (JFo)

Absent: Jennifer Taylor (JT)

Staff: Michelle Arsenault (MA), Emily Brown Rosen (EBR)

Work Plan

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gibberellic acid Petition Addendum	Add to 205.605	ZS, TF	2011 TR	Petition sent to HS 07 27 12. Petition suff response due 09 27 12. Sent back to petitioner for additional questions 01 09 13. Rcvd response 04 16 13. On hold until post-harvest handling (PHH) draft guidance is published. Draft PHH published 04 25 14.		TBD
Whole algal flour Petition Addendum #1	205.606	HA	N	Petition sent to HS on 09 30 13. Petition suff (including TR Request, if applicable) due 11 29 13. Petition found insufficient. Sent addit'l Q's to petitioner. Pet. Addendum sent to HS 01 22 14. Sufficiency due 02 25 14. Petition found "complete" 02 18 14. No TR will be requested	08 19 14	Proposal Fall 2014
Ammonium hydroxide (boiler water additive)	Add to 205.605	JR	No 2001 TAP	2000 petition . 2001 Recommendation . 2001 Background Paper . 2012 Petition sent to HS 11 06 12. Petition Sufficiency Response Due Date: 01 27 13. Petition found sufficient 12 18 12. No TR requested. Original proposal revised for spring 2014 meeting.		Proposal Spr 2015
Glycerin CAS #(56-81-5)	Remove from 205.605(b)	TF	1995 TR 2013 TR	Petition sent to HS on 01 09 13. Sufficiency response due 03 11 13. TR sent to HS on 06 11 13. Sufficiency due 08 12 13. TR found suff 07 02 13	08 20 14	Proposal Fall 2014

Petitioned Substances

Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Polyalkylene glycol monobutyl ether PGME (PDF) (CAS # 9038-95-3) As a boiler water additive	205.605	JR	2013 TR	Petition sent to MS/HS 01 28 13. TR Requested 2 19 2013. Draft TR sent to HS 06 11 13. TR sufficiency response due 08 12 13. TR found sufficient 07 02 13. Discussion doc returned to HS for further review. Supplemental TR rqstd 05 20 14. Waiting for petitioner response before proceeding with updated TR. No response so HS will request Limtd Scope TR 09 02 14.		Proposal Spr 2015
Triethyl Citrate	205.605	JR	Y	Petition sent to HS 03 04 14. Rqst for Q's or TR due 05 06 14. TR requested 04 16 14. TR in development (expected October 2014).		Proposal Spr 2015
Sodium Lactate	205.605	HA		Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition. Due mid-September.		TBD
Potassium Lactate	205.605	HA		Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition. Due mid-September.		TBD

2015 Sunsets § 205.605(a) and 205.606

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gellan gum CAS # 71010-52-1	205.605(a)	JD	Y	2006 TR , 2008 Recommendation 2010 FR notice	08 20 14	Summary: Spr 2014 Review: Fall 2014
Marsala	205.606(g)	TF	N	2008 Recommendation 2010 FR notice	08 20 14	Summary: Spr 2014 Review: Fall 2014
Sherry	205.606(g)	TF	N	2008 Recommendation 2010 FR notice	08 20 14	Summary: Spr 2014 Review: Fall 2014
Tragacanth CAS # 9000-65-1	205.606(x)	JD	N	2008 Recommendation 2010 FR notice	08 20 14	Summary: Spr 2014 Review: Fall 2014

2016 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP Jan 2014)

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Egg white lysozyme CAS # 9001-63-2	205.605(a)	TF	No new TR 2011 TR 2003 TAP	Final Sunset Recommendation on Egg White Lysozyme on 205.605b (PDF) Nov 2009. No new questions	NA	Summary: Fall 2014 Review: Spr 2015
Microorganisms	205.605	ZS	Y 2003 TAP	Final Sunset Recommendation on Microorganisms on 205.605b (PDF) Nov 2009. TR requested by NOP Aug 26 2013. TR sent to HS 01 23 14. TR suff due 03 25 14. TR found not sufficient. TR sent to HS 07 24 14. Suffic due 08 27 14. TR found sufficient	NA	Summary: Fall 2014 Review: Spr 2015
Activated charcoal CAS #s 7440-44-0; 64365-11-3	205.605(b)	HA	No new TR 2002 TAP	Final Sunset Recommendation on Activated Charcoal on 205.605b (PDF) Nov 2009 Add questions for posting.	NA	Summary: Fall 2014 Review: Spr 2015
Peracetic acid CAS # 79-21-0	205.605(b))	JFo	No new TR 2000 TAP	Final Sunset Recommendation on Peracetic Acid on 205.605b (PDF) Oct 2009 No new questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Cyclohexylamine CAS # 108 -91-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Cyclohexylamine on 205.605b (PDF) Nov 2009. TR determination: 01 17 14 Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Diethylaminoethanol CAS # 100-37-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Dethylaminoethanol on 205.605b (PDF) Nov 2009. TR determination: 01 17 14 Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Octadecylamine CAS # 124-30-1	205.605(b)	TF	2001 TAP No new TR request	Final Sunset Recommendation on Octadecylamine on 205.605b (PDF) Nov. 2009 Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015

L-Malic acid CAS # 97 -67-6).	205.605(a)	JD	2003 TAP No new TR	Final Sunset Recommendation on L-Malic Acid on 205.605b (PDF) Nov 2009. TR determination: 01 17 14 Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Sodium acid pyrophosphate CAS # 7758-16-9 2009 Expanded use	205.605(b)	JD	2001 TAP 2010 TR No New TR	Apr 2011 Subcomm recommendation April 2011 NOSB recommendation Final Sunset Recommendation on SAPP on 205.605b (PDF) Nov 2009. Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Tetrasodium pyrophosphate (TSP) CAS # 7722-88-5	205.605(b)	ZS	Y 2002 TR	Final Sunset Recommendation on TSP on 205.605b (PDF) Nov 2009. Requested a limtd scope TR 01 12 14. Lmtd Scope TR sent to HS 06 11 14. TR sufficiency due 08 12 14. TR found sufficient 08 05 14	NA	Summary: Fall 2014 Review: Spr 2015

2017 Sunsets §205.605(a), §205.605(b) and 205.606 TR Requests (see table below)

Other projects			
Name	Contact	Notes*	Meeting
Ancillary Substances	ZS	Final Recommendation: Ancillary Substances (Auxiliary/"other" ingredients) (PDF)	Fall 2014 (part of Microorganisms discussion)
BPA prohibition	ZS	Submitted briefing paper to NOP 01 12 14. Waiting for feedback from NOP.	Discussion doc TBD

* **Highlight** indicates committee action needed.

Agenda

- Approve notes from August 19, 2014
- Update on:
 - PGME - Petitioner response and TR determination
 - Triethyl Citrate
 - BPA
 - Sodium and Potassium Lactate (discuss next steps)
- Discuss Post Harvest Document
- Discuss ancillary substances and micro-organisms.
- Lay out a strategy for our next call or two
- Adjourn

Discussion

- **Approval of the notes from August 19** was deferred to the next call. The NOP noted that there was a discussion on the last call about adding language to two proposals (Tragacanth and Gellen Gum) and the notes seemed to contradict what was actually submitted in the proposal. The HS had discussed adding boiler plate language regarding the motions to remove, and not adding additional clarifying language, but the additional clarifying language was added to the final proposals that were submitted. The notes of August 19 have been adjusted to reflect the correction. MA will also move the table with the 2017 Sunset materials to the end of the document.
- Update:
 - PGME - There has been no response from the petitioner, so the NOP suggested requesting a supplement to the TR. HA will send note about the updated questions.
 - Triethly Citrate. TR is in development and is expected in October.
 - BPA - no update
 - Sodium and Potassium Lactate (discuss next steps). The petitioner did not respond to the request for updated information, so as per the NOP memo, a TR will be requested based on the original petition. The lead reviewer supported this approach, and suggested a combined TR.
- Discuss Post Harvest Document - The HS Chair will forward the post-harvest handling guidance to the group and asked that everyone review it in preparation for a discussion on the next call.
- Discuss ancillary substances and micro-organisms. The NOP did not contract three of the TRs that the HS had requested: Pectin, enzymes, and dairy cultures. The lead reviewer noted that the requests were for Limited Scope TRs to answer questions about ancillary substances and were not for full TRs. She added that because there is a lack of information about enzymes the HS needs to insist that they get a TR for ancillary substances in enzymes. The NOP invited the group to write an email to the National List Manager (LB) regarding their request for TRs
- Schedule for next call or two. The Chair listed the remaining items on the workplan and the members discussed scheduling them for the next four calls leading up to the fall meeting. A member noted that the September 16 call might not be necessary, as they will not yet have public comment to review. The NOSB Chair noted that when the HS begins the 2017 sunset reviews, they will likely need to increase the frequency of calls. The group also discussed the transition of sunset reviews to the new Board members who will begin their term in January 2015. Members were supportive of the idea of allowing the new members to listen in on calls prior to the beginning of their official term, although they cannot participate or vote. MA will leave the September 16 call meeting on the calendar until next week and the HS Chair will make the determination about whether or not to cancel.

[Previous HS Notes](#)

Future Call Schedule

Aug 20, 2014 1:00 ET. Additional call

Sep 2, 2014 1:00 ET

Feedback on ancillary substances

Prep for 2016 materials

Discuss transition for 2015 new members

Sep 16, 2014 1:00 ET - May cancel meeting if not needed

Boiler water additives panel discussion
 Oct 7, 2014 1:00 ET
 Review public comment
 Oct 21, 2014 1:00 ET
 Review public comment
 Nov 4, 2014 1:00 ET
 Nov 18, 2014 1:00 ET

Fall 2014 Milestones	Target date
NOSB Subcommittee requests technical reports for Sunset 2017 substances	Jul 15, 2014
NOP - Complete tentative agenda	Aug 7, 2014
NOSB - Fall 2014 proposals due to NOP	Aug 27, 2014
NOP - Post proposals, Publish FRN, Open public comment	Sep 8, 2014
NOSB Subcommittees - submit tentative workplans to NOP	Sept 11, 2014
Discuss workplans on ES call	Sept 12, 2014
Public comment closes	Oct 7, 2014
Workplans finalized on ES call (last call before fall mtg)	Oct 17, 2014
NOP - Send compiled public comments to NOSB	Oct 13, 2014
Fall 2014 NOSB Meeting – Louisville, KY	Oct 27 - Oct 31

2017 Sunsets §205.605(a), §205.605(b) and 205.606 TR Requests

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Yeast (2006) (PDF) Petition Supplement (2010) (PDF) Petition Memorandum (2010) (PDF)	205.605	JFo	Y	NOP 5014 – Certification of Organic Yeast (PDF) TAP – Yeast, Autolysate, 1995 TAP – Yeast, Bakers, 1995 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 NOSB Formal Rec (2010) NOSB Committee Rec (2010) NOSB Committee Rec (2007) 2014 TR sent to HS 01 22 14.		Summary: Spr 2015 Review: Fall 2015
Carnauba Wax	205.605	ZS	Y	TAP for Fruit Waxes, 1996 (PDF) 2014 TR sent to HS 01 24 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015
Orange Shellac	205.606	ZS	Y	TAP, 2002 (PDF) 2014 TR sent to HS 01 27 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015
Wood rosin	205.606	ZS	Y	TR sent to HS on 01 24 14. Sufficiency due July 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015
Alginates/ Alginic acid	205.605(b)/ 205.605(a)	ZS,T F	1995 TR Y	Combined TR		

Arabic gum, Carob bean gum, Guar gum, Locust bean gum	205.606	ZS	1995 Y Lmtd Scope	Gums. Combined TR		
Colors	205.606	JR	Y	All colors (17 total)		
Calcium citrate, Citric acid, Lactic acid, Sodium citrate	205.605(a) 205.605(b)	JFo	1995 Y	Food Acids + salts. 2 TRs: One for citric acid and its salts, and one for lactic acid and its salts. Look at ancillary substances		
Dairy Additives Fructooligosaccharides, Inulin-oligofructose enriched, Whey protein concentrate	205.606	JFo	Y	Dairy additives. Combined TR		
Dairy Cultures	205.605(a)	JFo	1995 Y	TR for ancillary substances		
Diglycerides, Monoglycerides	205.605(b)	JR	1995 Y Lmtd scope	Lmtd scope combined		
Enzymes	205.605(a)	JFo	Y Lmtd scope			
Ferrous sulfate, Nutrient vitamins and minerals, Potassium chloride, Potassium iodide	205.605(b), 205.605(a)	TF	Y	One TR for vitamins		

Calcium carbonate, Calcium hydroxide, Magnesium carbonate, Magnesium chloride, Magnesium sulfate, Potassium acid tartrate, Potassium carbonate, Potassium citrate, Potassium phosphate, Sodium hydroxide, Sodium phosphates	205.605(a), 205.605(b)	JT	Y Lmtd scope	One TR for minerals		
Pectin (non-amidated forms only)	205.606	ZS	Y Lmtd scope			
Fish oil	205.606	JR	Y			
Hydrogen peroxide	205.605(b)	JD	Y	Sanitizers		
Ozone	205.605(b)			Sanitizers		
Tocopherols	205.605(b)	TF	Y Lmtd Scope			
Xanthan gum	205.605(b)	ZS	Y			
Ammon bicarbonate, Ammon carbonate, Calcium phosphate (monobasic, dibasic, tribasic), Sodium bicarbonate, Sodium carbonate	205.605(b) 205.605(a)	HA	Y	Leavening agents		
Carbon dioxide, Ethylene, Nitrogen, Oxygen	205.605(b) 205.605(a)	JT	Y	Gases		

2017 Sunsets No TRs

Substance * Highlight = Multiple listings * Greyed out = moved to table above as they are reviewed	Contact	TR	New TR Rqust	Misc notes	Vote	Meeting Summary: Spr 2015 Review: Fall 2015
Acidified sodium chlorite	JD	2008	N (07 15 14)	SANITIZERS		
Alginates	ZS	1995	Y (07 01 14) combined w/alginate acid	GUMS, THICKENING AGENTS		
Alginic acid	TF	none	Y (07 15 14) combined w/alginate			
Ammonium bicarbonate	HA	2004	N (07 01 14)	LEAVENING AGENTS		
Ammonium carbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Arabic gum	ZS	1995	Y Lmtd Scope (07 01 14) + carob bean, guar gum, locust bean	GUMS, THICKENING AGENTS		
Ascorbic acid	TF	1995	N (07 08 14)	VITAMINS & MINERALS		
Attapulgate	JR	2010	N (06 17 14)	FILTERING AGENT		
Beet juice extract color	JR	None	Y (07 15 14)	COLORS		
Bentonite	JR	1995	N (06 17 14)	FILTERING AGENT		
Black currant juice color	JR	None	Y (07 15 14)	COLORS		
Black/Purple carrot juice color	JR	None	Y (07 15 14)	COLORS		
Blueberry juice color	JR	None	Y (07 15 14)	COLORS		
Calcium carbonate	JT	1995	N or Low priority (07 01 14) & (07 08 14)	MINERALS		
Calcium chloride	TF		Y (07 15 14)	VITAMINS & MINERALS		
Calcium citrate	JFo	1995	Y (06 17 14)	FOOD ACIDS		
Calcium hydroxide	JT	1995	N (07 01 14) Maybe (07 08 14)	MINERALS		
Calcium hypochlorite	JD	2006	N (07 15 14)	SANITIZERS		
Calcium phosphate dibasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Calcium phosphate monobasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Calcium phosphate tribasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Carbon dioxide	JT	2006		GASES		

Carnauba Wax	ZS	-	Y. Done. Found Suff 06 03 14	FRUIT COATINGS		
Carob bean gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, guar gum, locust bean	GUMS, THICKENING AGENTS		
Carrot juice color	JR	None	Y (07 15 14)	COLORS		
Casings	JR		N (07 15 14)			
Celery powder	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Cherry juice color	MS	None	Y (07 15 14)	COLORS		
Chia (Salvia hispanica L.)	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Chlorine dioxide	JD	2006	N (07 15 14)	SANITIZERS		
Chokeberry—Aronia juice color	JR	None	Y (07 15 14)	COLORS		
Citric acid	JFo	1995	Y (06 17 14) + its salts	FOOD ACIDS		
Cornstarch (native)	ZS	1995	N (07 01 14)	GUMS, THICKENING AGENTS		
Dairy cultures	JFo	1995	Y (06 17 14) for anc substances			
Diatomaceous earth	JR	1995	N (06 17 14)	FILTERING AGENT		
Diglycerides	JR	1995	Y Lmtd scope (06 17 14) (combined with mono-)	DRYING		
Dillweed oil	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Elderberry juice color	JR	None	Y (07 15 14)	COLORS		
Enzymes	JFo	2011	N (07 15 14)			
Ethylene	JT	1999		GASES		
Ferrous sulfate	TF	1995	Y (07 15 14) One for vit/one for mins	VITAMINS & MINERALS		
Fish oil	JR	None	Y (07 15 14)			
Flavors	JR	2005	N (07 15 14)			
Fructooligosaccharides	JFo	2006	Y. As group (06 17 14)	DAIRY ADDITIVES		
Galangal, frozen	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Gelatin	ZS	2002	N (07 01 14)	GUMS, THICKENING AGENTS		
Glycerin	JR	2013	?	FILTERING AGENT		
Grape juice color	JR	None	Y (07 15 14)	COLORS		
Grape skin extract color	JR	None	Y (07 15 14)	COLORS		
Guar gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, carob bean, locust bean	GUMS, THICKENING AGENTS		

Hydrogen peroxide	JD		Y (07 15 14)	SANITIZERS		
Inulin-oligofructose enriched	JFo	None	Y. As group (06 17 14)	DAIRY ADDITIVES		
Kaolin	JR	1995	N (06 17 14)	FILTERING AGENT		
Kelp	ZS	1995	N (07 01 14)	GUMS, THICKENING AGENTS		
Konjac flour	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Lactic acid	JFo	1995	Y (06 17 14) + its salts	FOOD ACIDS		
Lecithin - de-oiled	ZS	2009	N (07 01 14)/(07 15 14)	PRESERVATIVES, THICKENERS		
Lemongrass-frozen	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Locust bean gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, guar gum, carob bean	GUMS, THICKENING AGENTS		
Magnesium carbonate	JT	1996	? (07 08 14)	MINERALS		
Magnesium chloride	JT	1995	? (07 08 14)	MINERALS		
Magnesium stearate	JR	1995	N (06 17 14)	DRYING		
Magnesium sulfate	JT	2011	? Lmtd scope (07 01 14)	MINERALS		
Monoglycerides	JR	1995	Y Lmtd scope (06 17 14) (combined with di-)	DRYING		
Nitrogen	JT	1995		GASES		
Nutrient vitamins and minerals	TF	1995	Y (07 15 14) One for vit/one for mins	VITAMINS & MINERALS		
Orange pulp, dried	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Orange Shellac	ZS	-	Y. Done. Found Suff 06 03 14	FRUIT COATINGS		
Oxygen	JT			GASES		
Ozone	JD	2002	Y (07 15 14)	SANITIZERS		
Paprika color	JR	None	Y (07 15 14)	COLORS		
Pectin (non-amidated forms only)	ZS	2010	? (07 01 14)	GUMS, THICKENING AGENTS		
Peppers (Chipotle chile)	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Perlite	JR	1996	N (06 17 14)	FILTERING AGENT		
Phosphoric acid	JD		N (07 15 14)	SANITIZERS		
Potassium acid tartrate	JT	1995	N (07 08 14)	MINERALS		
Potassium carbonate	JT	1995	Y (07 08 14)	MINERALS		
Potassium chloride	TF		Y (07 15 14) Lmtd scope	VITAMINS & MINERALS		
Potassium citrate	JT	1995	? (07 08 14)	MINERALS		
Potassium iodide	TF	2011	Y (07 15 14) One	VITAMINS & MINERALS		

			for vit/one for mins			
Potassium phosphate	JT	1995	Y (07 08 14)	MINERALS		
Pumpkin juice color	JR	None	Y (07 15 14)	COLORS		
Purple potato juice	JR	None	Y (07 15 14)	COLORS		
Red cabbage extract color	JR	None	Y (07 15 14)	COLORS		
Red radish extract color	JR	None	Y (07 15 14)	COLORS		
Saffron extract color	JR	None	Y (07 15 14)	COLORS		
Seaweed, Pacific kombu	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Silicon dioxide	JR	2010		FILTERING AGENT	November 2018 sunset date, not 2017	
Sodium bicarbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Sodium carbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Sodium citrate	JFo	1995	N (06 17 14)	FOOD ACIDS		
Sodium hydroxide	JT	1995	Y (07 08 14)	MINERALS		
Sodium hypochlorite	JD	2006	N (07 15 14)	SANITIZERS		
Sodium phosphates	JT	2001	Y (07 08 14)	MINERALS		
Sulfur dioxide	JD	2011	N (07 01 14)	PRESERVATIVES, THICKENERS		
Sweet potato starch	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Tocopherols	TF	1995	Y (07 01 14)	PRESERVATIVES, THICKENERS		
Turkish bay leaves	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Turmeric extract color	JR	None	Y (07 15 14)	COLORS		
Wakame seaweed (Undaria pinnatifida)	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Whey protein concentrate	JFo	None	Y. As group (06 17 14)	DAIRY ADDITIVES		
Wood rosin	ZS	-	Y. Done. Found Suff 06 03 14	Y. Done. Found Suff 06 03 14		
Xanthan gum	ZS	1995	Y Lmtd scope (07 01 14)	GUMS, THICKENING AGENTS		
Yeast	JFo	-	Y. Done. Found Suff 06 03 14			

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy or regulations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

**National Organic Standards Board (NOSB)
Handling Subcommittee (HS) Meeting Notes
Tuesday, September 16, 2014 2:00 pm ET**

Present: Harold Austin, Chair (HA), John Foster, Vice Chair (JFo), Zea Sonnabend (ZS), Tracy Favre (TF), Joe Dickson (JD), Jean Richardson (JR), Jennifer Taylor (JT)

Absent: Mac Stone (MS)

Staff: Michelle Arsenault (MA), Emily Brown Rosen (EBR)

Work Plan

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gibberellic acid Petition Addendum	Add to 205.605	ZS, TF	2011 TR	Petition sent to HS 07 27 12. Petition suff response due 09 27 12. Sent back to petitioner for additional questions 01 09 13. Rcvd response 04 16 13. On hold until post-harvest handling (PHH) draft guidance is published. Draft PHH published 04 25 14.		TBD
Whole algal flour Petition Addendum #1	205.606	HA	N	Petition sent to HS on 09 30 13. Petition suff (including TR Request, if applicable) due 11 29 13. Petition found insufficient. Sent addit'l Q's to petitioner. Pet. Addendum sent to HS 01 22 14. Sufficiency due 02 25 14. Petition found "complete" 02 18 14. No TR will be requested	08 19 14	Proposal Fall 2014
Ammonium hydroxide (boiler water additive)	Add to 205.605	JR	No 2001 TAP	2000 petition . 2001 Recommendation . 2001 Background Paper . 2012 Petition sent to HS 11 06 12. Petition Sufficiency Response Due Date: 01 27 13. Petition found sufficient 12 18 12. No TR requested. Original proposal revised for spring 2014 meeting.		Proposal Spr 2015
Glycerin CAS #(56-81-5)	Remove from 205.605(b)	TF	1995 TR 2013 TR	Petition sent to HS on 01 09 13. Sufficiency response due 03 11 13. TR sent to HS on 06 11 13. Sufficiency due 08 12 13. TR found suff 07 02 13	08 20 14	Proposal Fall 2014

Petitioned Substances

Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Polyalkylene glycol monobutyl ether PGME (PDF) (CAS # 9038-95-3) As a boiler water additive	205.605	JR	2013 TR	Petition sent to MS/HS 01 28 13. TR Requested 2 19 2013. Draft TR sent to HS 06 11 13. TR sufficiency response due 08 12 13. TR found sufficient 07 02 13. Discussion doc returned to HS for further review. Supplemental TR rqstd 05 20 14. Waiting for petitioner response before proceeding with updated TR. No response so HS will request Limtd Scope TR 09 02 14.		Proposal Spr 2015
Triethyl Citrate	205.605	JR	Y	Petition sent to HS 03 04 14. Rqst for Q's or TR due 05 06 14. TR requested 04 16 14. TR in development (expected October 2014).		Proposal Spr 2015
Sodium Lactate	205.605	HA		Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition. Due mid-September. No updated petition received.		TBD
Potassium Lactate	205.605	HA		Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition. Due mid-September. No updated petition received.		TBD

2015 Sunsets § 205.605(a) and 205.606

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gellan gum CAS # 71010-52-1	205.605(a)	JD	Y	2006 TR , 2008 Recommendation 2010 FR notice	08 20 14	Summary: Spr 2014 Review: Fall 2014
Marsala	205.606(g)	TF	N	2008 Recommendation 2010 FR notice	08 20 14	Summary: Spr 2014 Review: Fall 2014
Sherry	205.606(g)	TF	N	2008 Recommendation 2010 FR notice	08 20 14	Summary: Spr 2014 Review: Fall 2014
Tragacanth CAS # 9000-65-1	205.606(x)	JD	N	2008 Recommendation 2010 FR notice	08 20 14	Summary: Spr 2014 Review: Fall 2014

2016 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP Jan 2014)

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Egg white lysozyme CAS # 9001-63-2	205.605(a)	TF	No new TR 2011 TR 2003 TAP	Final Sunset Recommendation on Egg White Lysozyme on 205.605b (PDF) Nov 2009. No new questions	NA	Summary: Fall 2014 Review: Spr 2015
Microorganisms	205.605	ZS	Y 2003 TAP	Final Sunset Recommendation on Microorganisms on 205.605b (PDF) Nov 2009. TR requested by NOP Aug 26 2013. TR sent to HS 01 23 14. TR suff due 03 25 14. TR found not sufficient. TR sent to HS 07 24 14. Suffic due 08 27 14. TR found sufficient	NA	Summary: Fall 2014 Review: Spr 2015
Activated charcoal CAS #s 7440-44-0; 64365-11-3	205.605(b)	HA	No new TR 2002 TAP	Final Sunset Recommendation on Activated Charcoal on 205.605b (PDF) Nov 2009 Add questions for posting.	NA	Summary: Fall 2014 Review: Spr 2015
Peracetic acid CAS # 79-21-0	205.605(b))	JFo	No new TR 2000 TAP	Final Sunset Recommendation on Peracetic Acid on 205.605b (PDF) Oct 2009 No new questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Cyclohexylamine CAS # 108 -91-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Cyclohexylamine on 205.605b (PDF) Nov 2009. TR determination: 01 17 14 Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Diethylaminoethanol CAS # 100-37-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Dethylaminoethanol on 205.605b (PDF) Nov 2009. TR determination: 01 17 14 Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Octadecylamine CAS # 124-30-1	205.605(b)	TF	2001 TAP No new TR request	Final Sunset Recommendation on Octadecylamine on 205.605b (PDF) Nov. 2009 Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015

L-Malic acid CAS # 97 -67-6).	205.605(a)	JD	2003 TAP No new TR	Final Sunset Recommendation on L-Malic Acid on 205.605b (PDF) Nov 2009. TR determination: 01 17 14 Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Sodium acid pyrophosphate CAS # 7758-16-9 2009 Expanded use	205.605(b)	JD	2001 TAP 2010 TR No New TR	Apr 2011 Subcomm recommendation April 2011 NOSB recommendation Final Sunset Recommendation on SAPP on 205.605b (PDF) Nov 2009. Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Tetrasodium pyrophosphate (TSP) CAS # 7722-88-5	205.605(b)	ZS	Y 2002 TR	Final Sunset Recommendation on TSP on 205.605b (PDF) Nov 2009. Requested a limtd scope TR 01 12 14. Lmtd Scope TR sent to HS 06 11 14. TR sufficiency due 08 12 14. TR found sufficient 08 05 14	NA	Summary: Fall 2014 Review: Spr 2015

2017 Sunsets §205.605(a), §205.605(b) and 205.606 TR Requests (see table below)

Other projects			
Name	Contact	Notes*	Meeting
Ancillary Substances	ZS	Final Recommendation: Ancillary Substances (Auxiliary/"other" ingredients) (PDF)	Fall 2014 (part of Microorganism discussion)
BPA prohibition	ZS	Submitted briefing paper to NOP 01 12 14. Waiting for feedback from NOP.	Discussion doc TBD

* **Highlight** indicates committee action needed.

Agenda

- Approve notes from August 19-20, 2014
- Approve notes from September 2, 2014
- Discuss Limited Scope TR requests for 2017 materials
- Discuss Electrolyzed Water Guidance
- Review Fall 2014 agenda
- Discuss the (3rd or Final) Checklist for the 2015 Sunsets
- Review 2015 Work Plan
- Adjourn

Discussion

- **Notes from August 19-20, 2014** approved as is.
- **Notes from September 2, 2014** approved as is.
- **Limited Scope TR requests for 2017.** The NOP notified the group that they will submit two TR requests that were originally not sent forth for contracting: Pectin and Enzymes.
- **Review fall 2014 agenda.** The group reviewed the tentative agenda for fall meeting. The two October calls will be dedicated to reviewing public comment.
- The HS Chair asked the outgoing members to transmit any existing review materials for both 2016 and 2017 Sunsets to HA and NOP so the next iteration of the HS has it when they complete their reviews.
- **2015 Sunset templates.** HA asked for the final sunset template document so they can prep the 2015 recommendations. MA and EBR will work on this and get it posted ASAP.
- **Electrolyzed water (June release).** The group had an in depth discussion about the guidance on electrolyzed water and acknowledged the need to clarify some of the issues as they go forward. For example, salt is a permitted material that when electrolyzed, produce hypochlorous acid, which is not on the National List. A member indicated concern that the rationale in the document might set a precedent to limit use of some substances in processing. . The members discussed various issues related to classification of materials, including identification of the substances in question, especially when a chemical reaction can occur during use. The NOP noted the recent memo indicating that potassium and sodium lactates do need to be reviewed by NOSB, despite being manufactured from substances that are on the National List. A member noted the importance for NOSB to have a framework to understand and assimilate the NOP guidance documents, and asked that this can be part of NOSB orientation and training.
- The group discussed workplan items that will remain after the fall 2014 meeting including a place holder for a discussion about a panel on boiler water additives.
- The HS Chair reviewed what was discussed on the last Executive call: New nominees will hopefully be announced at the fall meeting, and the Subcommittees would welcome the new member's attendance on SC calls so they can prepare for their terms.

[Previous HS Notes](#)

Future Call Schedule

Sep 2, 2014 1:00 ET

Feedback on ancillary substances

Prep for 2016 materials

Discuss transition for 2015 new members

Sep 16, 2014 1:00 ET

Boiler water additives panel discussion -postponed

Oct 7, 2014 1:00 ET

Boiler water additives panel discussion

Review public comment

Oct 21, 2014 1:00 ET

Review public comment

Nov 4, 2014 1:00 ET

Nov 18, 2014 1:00 ET

Fall 2014 Milestones	Target date
NOSB Subcommittee requests technical reports for Sunset 2017 substances	Jul 15, 2014
NOP - Complete tentative agenda	Aug 7, 2014
NOSB - Fall 2014 proposals due to NOP	Aug 27, 2014
NOP - Post proposals, Publish FRN, Open public comment	Sep 8, 2014
NOSB Subcommittees - submit tentative workplans to NOP	Sept 11, 2014
Discuss workplans on ES call	Sept 12, 2014
Public comment closes	Oct 7, 2014
Workplans finalized on ES call (last call before fall mtg)	Oct 17, 2014
NOP - Send compiled public comments to NOSB	Oct 13, 2014
Fall 2014 NOSB Meeting – Louisville, KY	Oct 27 - Oct 31

2017 Sunsets §205.605(a), §205.605(b) and 205.606 TR Requests

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Yeast (2006) (PDF) Petition Supplement (2010) (PDF) Petition Memorandum (2010) (PDF)	205.605	JFo	Y	NOP 5014 – Certification of Organic Yeast (PDF) TAP – Yeast, Autolysate, 1995 TAP – Yeast, Bakers, 1995 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 NOSB Formal Rec (2010) NOSB Committee Rec (2010) NOSB Committee Rec (2007) 2014 TR sent to HS 01 22 14.		Summary: Spr 2015 Review: Fall 2015

Carnauba Wax	205.605	ZS	Y	TAP for Fruit Waxes, 1996 (PDF) 2014 TR sent to HS 01 24 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015
Orange Shellac	205.606	ZS	Y	TAP, 2002 (PDF) 2014 TR sent to HS 01 27 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015
Wood rosin	205.606	ZS	Y	TR sent to HS on 01 24 14. Sufficiency due July 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015
Alginates/ Alginic acid	205.605(b)/ 205.605(a)	ZS,T F	1995 TR Y	Combined TR Requested 08 15 14.		
Arabic gum, Carob bean gum, Guar gum, Locust bean gum	205.606	ZS	1995 Y Lmt Scope	Gums. Combined TR		
Colors	205.606	JR	Y	TR Requested 08 15 14. All colors (17 total)		
Calcium citrate, Citric acid, Lactic acid, Sodium citrate	205.605(a) 205.605(b)	JFo	1995 Y	TR Requested 08 15 14. Food Acids + salts. 2 TRs: One for citric acid and its salts, and one for lactic acid and its salts. Look at ancillary substances		
Dairy Additives Fructooligosaccharides, Inulin-oligofructose enriched, Whey protein concentrate	205.606	JFo	Y	Dairy additives. TR Requested 08 15 14. Combined TR		
Dairy Cultures	205.605(a)	JFo	1995 Y	TR for ancillary substances		

Diglycerides, Monoglycerides	205.605(b)	JR	1995 Y Lmtd scope	Lmtd scope TR Requested 08 15 14. Combined		
Enzymes	205.605(a)	JFo	Y Lmtd scope	Lmtd scope TR requested for ancillary substances approved by NOP 09 16 14		
Ferrous sulfate, Nutrient vitamins and minerals, Potassium chloride, Potassium iodide	205.605(b), 205.605(a)	TF	Y	TR Requested 08 15 14. One TR for vitamins		
Calcium carbonate, Calcium hydroxide, Magnesium carbonate, Magnesium chloride, Magnesium sulfate, Potassium acid tartrate, Potassium carbonate, Potassium citrate, Potassium phosphate, Sodium hydroxide, Sodium phosphates	205.605(a), 205.605(b)	JT	Y Lmtd scope	TR Requested 08 15 14. One TR for minerals		
Pectin (non-amidated forms only)	205.606	ZS	Y Lmtd scope	Lmtd scope TR requested for ancillary substances approved by NOP 09 16 14		
Fish oil	205.606	JR	Y	TR Requested 08 15 14.		
Hydrogen peroxide	205.605(b)	JD	Y	Sanitizers		
Ozone	205.605(b)			Sanitizers		
Tocopherols	205.605(b)	TF	Y Lmtd Scope	Lmtd scope TR Requested 08 15 14		
Xanthan gum	205.605(b)	ZS	Y			

Ammon bicarbonate, Ammon carbonate, Calcium phosphate (monobasic, dibasic, tribasic), Sodium bicarbonate, Sodium carbonate	205.605(b) 205.605(a)	HA	Y	Leavening agents		
Carbon dioxide, Ethylene, Nitrogen, Oxygen	205.605(b) 205.605(a)	JT	Y	Gases		

2017 Sunsets No TRs

Substance * Highlight = Multiple listings * Greyed out = moved to table above as they are reviewed	Contact	TR	New TR Rqust	Misc notes	Vote	Meeting Summary: Spr 2015 Review: Fall 2015
Acidified sodium chlorite	JD	2008	N (07 15 14)	SANITIZERS		
Alginates	ZS	1995	Y (07 01 14) combined w/alginate acid	GUMS, THICKENING AGENTS		
Alginic acid	TF	none	Y (07 15 14) combined w/alginate			
Ammonium bicarbonate	HA	2004	N (07 01 14)	LEAVENING AGENTS		
Ammonium carbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Arabic gum	ZS	1995	Y Lmtd Scope (07 01 14) + carob bean, guar gum, locust bean	GUMS, THICKENING AGENTS		
Ascorbic acid	TF	1995	N (07 08 14)	VITAMINS & MINERALS		
Attapulgate	JR	2010	N (06 17 14)	FILTERING AGENT		
Beet juice extract color	JR	None	Y (07 15 14)	COLORS		
Bentonite	JR	1995	N (06 17 14)	FILTERING AGENT		
Black currant juice color	JR	None	Y (07 15 14)	COLORS		
Black/Purple carrot juice color	JR	None	Y (07 15 14)	COLORS		
Blueberry juice color	JR	None	Y (07 15 14)	COLORS		
Calcium carbonate	JT	1995	N or Low priority (07 01 14) & (07 08 14)	MINERALS		
Calcium chloride	TF		Y (07 15 14)	VITAMINS & MINERALS		
Calcium citrate	JFo	1995	Y (06 17 14)	FOOD ACIDS		
Calcium hydroxide	JT	1995	N (07 01 14) Maybe (07 08 14)	MINERALS		
Calcium hypochlorite	JD	2006	N (07 15 14)	SANITIZERS		
Calcium phosphate dibasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Calcium phosphate monobasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Calcium phosphate tribasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Carbon dioxide	JT	2006		GASES		

Carnauba Wax	ZS	-	Y. Done. Found Suff 06 03 14	FRUIT COATINGS		
Carob bean gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, guar gum, locust bean	GUMS, THICKENING AGENTS		
Carrot juice color	JR	None	Y (07 15 14)	COLORS		
Casings	JR		N (07 15 14)			
Celery powder	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Cherry juice color	MS	None	Y (07 15 14)	COLORS		
Chia (Salvia hispanica L.)	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Chlorine dioxide	JD	2006	N (07 15 14)	SANITIZERS		
Chokeberry—Aronia juice color	JR	None	Y (07 15 14)	COLORS		
Citric acid	JFo	1995	Y (06 17 14) + its salts	FOOD ACIDS		
Cornstarch (native)	ZS	1995	N (07 01 14)	GUMS, THICKENING AGENTS		
Dairy cultures	JFo	1995	Y (06 17 14) for anc substances			
Diatomaceous earth	JR	1995	N (06 17 14)	FILTERING AGENT		
Diglycerides	JR	1995	Y Lmtd scope (06 17 14) (combined with mono-)	DRYING		
Dillweed oil	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Elderberry juice color	JR	None	Y (07 15 14)	COLORS		
Enzymes	JFo	2011	N (07 15 14)			
Ethylene	JT	1999		GASES		
Ferrous sulfate	TF	1995	Y (07 15 14) One for vit/one for mins	VITAMINS & MINERALS		
Fish oil	JR	None	Y (07 15 14)			
Flavors	JR	2005	N (07 15 14)			
Fructooligosaccharides	JFo	2006	Y. As group (06 17 14)	DAIRY ADDITIVES		
Galangal, frozen	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Gelatin	ZS	2002	N (07 01 14)	GUMS, THICKENING AGENTS		
Glycerin	JR	2013	?	FILTERING AGENT		
Grape juice color	JR	None	Y (07 15 14)	COLORS		
Grape skin extract color	JR	None	Y (07 15 14)	COLORS		
Guar gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, carob bean, locust bean	GUMS, THICKENING AGENTS		

Hydrogen peroxide	JD		Y (07 15 14)	SANITIZERS		
Inulin-oligofructose enriched	JFo	None	Y. As group (06 17 14)	DAIRY ADDITIVES		
Kaolin	JR	1995	N (06 17 14)	FILTERING AGENT		
Kelp	ZS	1995	N (07 01 14)	GUMS, THICKENING AGENTS		
Konjac flour	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Lactic acid	JFo	1995	Y (06 17 14) + its salts	FOOD ACIDS		
Lecithin - de-oiled	ZS	2009	N (07 01 14)/(07 15 14)	PRESERVATIVES, THICKENERS		
Lemongrass-frozen	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Locust bean gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, guar gum, carob bean	GUMS, THICKENING AGENTS		
Magnesium carbonate	JT	1996	? (07 08 14)	MINERALS		
Magnesium chloride	JT	1995	? (07 08 14)	MINERALS		
Magnesium stearate	JR	1995	N (06 17 14)	DRYING		
Magnesium sulfate	JT	2011	? Lmtd scope (07 01 14)	MINERALS		
Monoglycerides	JR	1995	Y Lmtd scope (06 17 14) (combined with di-)	DRYING		
Nitrogen	JT	1995		GASES		
Nutrient vitamins and minerals	TF	1995	Y (07 15 14) One for vit/one for mins	VITAMINS & MINERALS		
Orange pulp, dried	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Orange Shellac	ZS	-	Y. Done. Found Suff 06 03 14	FRUIT COATINGS		
Oxygen	JT			GASES		
Ozone	JD	2002	Y (07 15 14)	SANITIZERS		
Paprika color	JR	None	Y (07 15 14)	COLORS		
Pectin (non-amidated forms only)	ZS	2010	? (07 01 14)	GUMS, THICKENING AGENTS		
Peppers (Chipotle chile)	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Perlite	JR	1996	N (06 17 14)	FILTERING AGENT		
Phosphoric acid	JD		N (07 15 14)	SANITIZERS		
Potassium acid tartrate	JT	1995	N (07 08 14)	MINERALS		
Potassium carbonate	JT	1995	Y (07 08 14)	MINERALS		
Potassium chloride	TF		Y (07 15 14) Lmtd scope	VITAMINS & MINERALS		
Potassium citrate	JT	1995	? (07 08 14)	MINERALS		
Potassium iodide	TF	2011	Y (07 15 14) One	VITAMINS & MINERALS		

			for vit/one for mins			
Potassium phosphate	JT	1995	Y (07 08 14)	MINERALS		
Pumpkin juice color	JR	None	Y (07 15 14)	COLORS		
Purple potato juice	JR	None	Y (07 15 14)	COLORS		
Red cabbage extract color	JR	None	Y (07 15 14)	COLORS		
Red radish extract color	JR	None	Y (07 15 14)	COLORS		
Saffron extract color	JR	None	Y (07 15 14)	COLORS		
Seaweed, Pacific kombu	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Silicon dioxide	JR	2010		FILTERING AGENT	November 2018 sunset date, not 2017	
Sodium bicarbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Sodium carbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Sodium citrate	JFo	1995	N (06 17 14)	FOOD ACIDS		
Sodium hydroxide	JT	1995	Y (07 08 14)	MINERALS		
Sodium hypochlorite	JD	2006	N (07 15 14)	SANITIZERS		
Sodium phosphates	JT	2001	Y (07 08 14)	MINERALS		
Sulfur dioxide	JD	2011	N (07 01 14)	PRESERVATIVES, THICKENERS		
Sweet potato starch	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Tocopherols	TF	1995	Y (07 01 14)	PRESERVATIVES, THICKENERS		
Turkish bay leaves	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Turmeric extract color	JR	None	Y (07 15 14)	COLORS		
Wakame seaweed (Undaria pinnatifida)	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Whey protein concentrate	JFo	None	Y. As group (06 17 14)	DAIRY ADDITIVES		
Wood rosin	ZS	-	Y. Done. Found Suff 06 03 14	Y. Done. Found Suff 06 03 14		
Xanthan gum	ZS	1995	Y Lmtd scope (07 01 14)	GUMS, THICKENING AGENTS		
Yeast	JFo	-	Y. Done. Found Suff 06 03 14			

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy or regulations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

**National Organic Standards Board (NOSB)
Handling Subcommittee (HS) Meeting Notes
Tuesday, October 7, 2014 1:00 pm ET**

Present: Harold Austin, Chair (HA), John Foster, Vice Chair (JFo), Zea Sonnabend (ZS), Joe Dickson (JD) Tracy Favre (TF), Jean Richardson (JR), Mac Stone (MS), Carmela Beck (CBe) - sitting in,
Absent: Jennifer Taylor (JT)
Staff: Michelle Arsenault (MA), Emily Brown Rosen (EBR)

Work Plan

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gibberellic acid Petition Addendum	Add to 205.605	ZS, TF	2011 TR	Petition sent to HS 07 27 12. Petition suff response due 09 27 12. Sent back to petitioner for additional questions 01 09 13. Rcvd response 04 16 13. On hold until post-harvest handling (PHH) draft guidance is published. Draft PHH published 04 25 14.		TBD
Whole algal flour Petition Addendum #1	205.606	HA	N	Petition sent to HS on 09 30 13. Petition suff (including TR Request, if applicable) due 11 29 13. Petition found insufficient. Sent addit'l Q's to petitioner. Pet. Addendum sent to HS 01 22 14. Sufficiency due 02 25 14. Petition found "complete" 02 18 14. No TR will be requested	08 19 14	Proposal Fall 2014
Ammonium hydroxide (boiler water additive)	Add to 205.605	JR	No 2001 TAP	2000 petition . 2001 Recommendation . 2001 Background Paper . 2012 Petition sent to HS 11 06 12. Petition Sufficiency Response Due Date: 01 27 13. Petition found sufficient 12 18 12. No TR requested. Original proposal revised for spring 2014 meeting.		Proposal Spr 2015
Glycerin CAS #(56-81-5)	Remove from 205.605(b)	TF	1995 TR 2013 TR	Petition sent to HS on 01 09 13. Sufficiency response due 03 11 13. TR sent to HS on 06 11 13. Sufficiency due 08 12 13. TR found suff 07 02 13	08 20 14	Proposal Fall 2014

Petitioned Substances

Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Polyalkylene glycol monobutyl ether PGME (PDF) (CAS # 9038-95-3) As a boiler water additive	205.605	JR	2013 TR	Petition sent to MS/HS 01 28 13. TR Requested 2 19 2013. Draft TR sent to HS 06 11 13. TR sufficiency response due 08 12 13. TR found sufficient 07 02 13. Discussion doc returned to HS for further review. Supplemental TR rqstd 05 20 14. Waiting for petitioner response before proceeding with updated TR. No response so HS will request Limtd Scope TR 09 02 14.		Proposal Spr 2015
Triethyl Citrate	205.605	JR	Y	Petition sent to HS 03 04 14. Rqst for Q's or TR due 05 06 14. TR requested 04 16 14. TR in development (expected October 2014).		Proposal Spr 2015
Sodium Lactate	205.605	HA	Y	Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition. Due mid-September. No updated petition received.		TBD
Potassium Lactate	205.605	HA	Y	Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition. Due mid-September. No updated petition received.		TBD

2015 Sunsets § 205.605(a) and 205.606

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gellan gum CAS # 71010-52-1	205.605(a)	JD	Y	2006 TR , 2008 Recommendation 2010 FR notice	08 20 14	Summary: Spr 2014 Review: Fall 2014
Marsala	205.606(g)	TF	N	2008 Recommendation 2010 FR notice	08 20 14	Summary: Spr 2014 Review: Fall 2014
Sherry	205.606(g)	TF	N	2008 Recommendation 2010 FR notice	08 20 14	Summary: Spr 2014 Review: Fall 2014
Tragacanth CAS # 9000-65-1	205.606(x)	JD	N	2008 Recommendation 2010 FR notice	08 20 14	Summary: Spr 2014 Review: Fall 2014

2016 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP Jan 2014)

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Egg white lysozyme CAS # 9001-63-2	205.605(a)	TF	No new TR 2011 TR 2003 TAP	Final Sunset Recommendation on Egg White Lysozyme on 205.605b (PDF) Nov 2009. No new questions	NA	Summary: Fall 2014 Review: Spr 2015
Microorganisms	205.605	ZS	Y 2003 TAP	Final Sunset Recommendation on Microorganisms on 205.605b (PDF) Nov 2009. TR requested by NOP Aug 26 2013. TR sent to HS 01 23 14. TR suff due 03 25 14. TR found not sufficient. TR sent to HS 07 24 14. Suffic due 08 27 14. TR found sufficient 08 06 14	NA	Summary: Fall 2014 Review: Spr 2015
Activated charcoal CAS #s 7440-44-0; 64365-11-3	205.605(b)	HA	No new TR 2002 TAP	Final Sunset Recommendation on Activated Charcoal on 205.605b (PDF) Nov 2009 Add questions for posting.	NA	Summary: Fall 2014 Review: Spr 2015
Peracetic acid CAS # 79-21-0	205.605(b))	JFo	No new TR 2000 TAP	Final Sunset Recommendation on Peracetic Acid on 205.605b (PDF) Oct 2009 No new questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Cyclohexylamine CAS # 108 -91-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Cyclohexylamine on 205.605b (PDF) Nov 2009. TR determination: 01 17 14 Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Diethylaminoethanol CAS # 100-37-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Dethylaminoethanol on 205.605b (PDF) Nov 2009. TR determination: 01 17 14 Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Octadecylamine CAS # 124-30-1	205.605(b)	TF	2001 TAP No new TR request	Final Sunset Recommendation on Octadecylamine on 205.605b (PDF) Nov. 2009 Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015

L-Malic acid CAS # 97 -67-6).	205.605(a)	JD	2003 TAP No new TR	Final Sunset Recommendation on L-Malic Acid on 205.605b (PDF) Nov 2009. TR determination: 01 17 14 Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Sodium acid pyrophosphate CAS # 7758-16-9 2009 Expanded use	205.605(b)	JD	2001 TAP 2010 TR No New TR	Apr 2011 Subcomm recommendation April 2011 NOSB recommendation Final Sunset Recommendation on SAPP on 205.605b (PDF) Nov 2009. Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Tetrasodium pyrophosphate (TSP) CAS # 7722-88-5	205.605(b)	ZS	Y 2002 TR	Final Sunset Recommendation on TSP on 205.605b (PDF) Nov 2009. Requested a limtd scope TR 01 12 14. Lmtd Scope TR sent to HS 06 11 14. TR sufficiency due 08 12 14. TR found sufficient 08 05 14	NA	Summary: Fall 2014 Review: Spr 2015

2017 Sunsets §205.605(a), §205.605(b) and 205.606 TR Requests (see table below)

Other projects			
Name	Contact	Notes*	Meeting
Ancillary Substances	ZS	Final Recommendation: Ancillary Substances (Auxiliary/"other" ingredients) (PDF)	Fall 2014 (part of Microorganisms discussion)
BPA prohibition	ZS	Submitted briefing paper to NOP 01 12 14. Waiting for feedback from NOP.	Discussion doc TBD

* **Highlight** indicates committee action needed.

Agenda

- Approve notes from September 16, 2014
- Discuss public comments
- Discuss next steps for 2016 and 2017 Sunset materials
- Begin discussions of information hand off for Board member transition in January
- Adjourn

Discussion

- **Notes from** September 16, 2014 approved with no changes

- NOP will finalize and send the template for the final sunset materials reviews
- **Public comments.** The group discussed the written comments that have been received thus far.
 - **2015 Sunset Materials** - for Sherry and Marsala, all comments received so far are in favor of removal.
 - **2016 Sunset Materials.** Some comments regarding the 2016 sunset materials included proposed completed checklists, and the Chair asked that the group review them. Under the revised sunset process, the NOP has said the use of a checklist is optional. While some SC members recommend a checklists be mandatory and completed by the first meeting where the Sunset materials will be presented, others recommend the inclusion of a checklist only for materials that are intended for removal and do not support the use of checklists for initial posting, as . They felt that if checklists were created at different stages it could result in multiple versions and could create confusion.
 - Whole Algal Flour (WAF). The group discussed the few comments on WAF, one of which raised questions about fermentation and excluded methods.
 - Glycerin. The members discussed the current iteration of the glycerin proposal and decided to proceed with the plan to remove it from §205.605B and add it to §205.606, and add clarifying language to the proposal, specifically the classification motion, indicating which forms of glycerin would be considered agricultural. A member asked about ancillary substances, which they felt were not applicable, but the lead reviewer will seek more info. TF will make the suggested changes and bring the next iteration of the document to the HS for next call.
- **Next steps for 2016 and 2017 Sunset materials.** Members briefly discussed several 2016 sunset items and deferred the remainder for the next call.
- **Information hand off for Board member transition in January** - deferred
- **Adjourn**

[Previous HS Notes](#)

Future Call Schedule

Sep 16, 2014 1:00 ET

Boiler water additives panel discussion -postponed

Oct 7, 2014 1:00 ET

Boiler water additives panel discussion

Review public comment

Oct 21, 2014 1:00 ET

Next steps for 2016 and 2017 Sunset materials

Review public comment

Glycerin - continue discussion

Nov 4, 2014 1:00 ET (cancelled - Veteran's Day)

Nov 18, 2014 1:00 ET

Fall 2014 Milestones	Target date
NOSB Subcommittee requests technical reports for Sunset 2017 substances	Jul 15, 2014
NOP - Complete tentative agenda	Aug 7, 2014
NOSB - Fall 2014 proposals due to NOP	Aug 27, 2014

NOP - Post proposals, Publish FRN, Open public comment	Sep 8, 2014
NOSB Subcommittees - submit tentative workplans to NOP	Sept 11, 2014
Discuss workplans on ES call	Sept 12, 2014
Public comment closes	Oct 7, 2014
Workplans finalized on ES call (last call before fall mtg)	Oct 17, 2014
NOP - Send compiled public comments to NOSB	Oct 13, 2014
Fall 2014 NOSB Meeting – Louisville, KY	Oct 27 - Oct 31

2017 Sunsets §205.605(a), §205.605(b) and 205.606 TR Requests

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Yeast (2006) (PDF) Petition Supplement (2010) (PDF) Petition Memorandum (2010) (PDF)	205.605	JFo	Y	NOP 5014 – Certification of Organic Yeast (PDF) TAP – Yeast, Autolysate, 1995 TAP – Yeast, Bakers, 1995 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 NOSB Formal Rec (2010) NOSB Committee Rec (2010) NOSB Committee Rec (2007) 2014 TR sent to HS 01 22 14.		Summary: Spr 2015 Review: Fall 2015
Carnauba Wax	205.605	ZS	Y	TAP for Fruit Waxes, 1996 (PDF) 2014 TR sent to HS 01 24 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015

Orange Shellac	205.606	ZS	Y	TAP, 2002 (PDF) 2014 TR sent to HS 01 27 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015
Wood rosin	205.606	ZS	Y	TR sent to HS on 01 24 14. Sufficiency due July 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015
Alginates/ Alginic acid	205.605(b)/ 205.605(a)	ZS,T F	1995 TR Y	Combined TR Requested 08 15 14.		
Arabic gum, Carob bean gum, Guar gum, Locust bean gum	205.606	ZS	1995 Y Lmtd Scope	Gums. Combined TR		
Colors	205.606	JR	Y	TR Requested 08 15 14. All colors (17 total)		
Calcium citrate, Citric acid, Lactic acid, Sodium citrate	205.605(a) 205.605(b)	JFo	1995 Y	TR Requested 08 15 14. Food Acids + salts. 2 TRs: One for citric acid and its salts, and one for lactic acid and its salts. Look at ancillary substances		
Dairy Additives Fructooligosaccharides, Inulin-oligofructose enriched, Whey protein concentrate	205.606	JFo	Y	Dairy additives. TR Requested 08 15 14. Combined TR		
Dairy Cultures	205.605(a)	JFo	1995 Y	TR for ancillary substances		
Diglycerides, Monoglycerides	205.605(b)	JR	1995 Y Lmtd scope	Lmtd scope TR Requested 08 15 14. Combined		
Enzymes	205.605(a)	JFo	Y Lmtd scope	Lmtd scope TR requested for ancillary substances approved by NOP 09 16 14		

Ferrous sulfate, Nutrient vitamins and minerals, Potassium chloride, Potassium iodide	205.605(b), 205.605(a)	TF	Y	TR Requested 08 15 14. One TR for vitamins		
Calcium carbonate, Calcium hydroxide, Magnesium carbonate, Magnesium chloride, Magnesium sulfate, Potassium acid tartrate, Potassium carbonate, Potassium citrate, Potassium phosphate, Sodium hydroxide, Sodium phosphates	205.605(a), 205.605(b)	JT	Y Lmtd scope	TR Requested 08 15 14. One TR for minerals		
Pectin (non-amidated forms only)	205.606	ZS	Y Lmtd scope	Lmtd scope TR requested for ancillary substances approved by NOP 09 16 14		
Fish oil	205.606	JR	Y	TR Requested 08 15 14.		
Hydrogen peroxide	205.605(b)	JD	Y	Sanitizers		
Ozone	205.605(b)			Sanitizers		
Tocopherols	205.605(b)	TF	Y Lmtd Scope	Lmtd scope TR Requested 08 15 14		
Xanthan gum	205.605(b)	ZS	Y			
Ammon bicarbonate, Ammon carbonate, Calcium phosphate (monobasic, dibasic, tribasic), Sodium bicarbonate, Sodium carbonate	205.605(b) 205.605(a)	HA	Y	Leavening agents		

Carbon dioxide, Ethylene, Nitrogen, Oxygen	205.605(b) 205.605(a)	JT	Y	Gases		
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2017 Sunsets No TRs

Substance * Highlight = Multiple listings * Greyed out = moved to table above as they are reviewed	Contact	TR	New TR Rqust	Misc notes	Vote	Meeting Summary: Spr 2015 Review: Fall 2015
Acidified sodium chlorite	JD	2008	N (07 15 14)	SANITIZERS		
Alginates	ZS	1995	Y (07 01 14) combined w/alginate acid	GUMS, THICKENING AGENTS		
Alginic acid	TF	none	Y (07 15 14) combined w/alginate			
Ammonium bicarbonate	HA	2004	N (07 01 14)	LEAVENING AGENTS		
Ammonium carbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Arabic gum	ZS	1995	Y Lmtd Scope (07 01 14) + carob bean, guar gum, locust bean	GUMS, THICKENING AGENTS		
Ascorbic acid	TF	1995	N (07 08 14)	VITAMINS & MINERALS		
Attapulgate	JR	2010	N (06 17 14)	FILTERING AGENT		
Beet juice extract color	JR	None	Y (07 15 14)	COLORS		
Bentonite	JR	1995	N (06 17 14)	FILTERING AGENT		
Black currant juice color	JR	None	Y (07 15 14)	COLORS		
Black/Purple carrot juice color	JR	None	Y (07 15 14)	COLORS		
Blueberry juice color	JR	None	Y (07 15 14)	COLORS		
Calcium carbonate	JT	1995	N or Low priority (07 01 14) & (07 08 14)	MINERALS		
Calcium chloride	TF		Y (07 15 14)	VITAMINS & MINERALS		
Calcium citrate	JFo	1995	Y (06 17 14)	FOOD ACIDS		
Calcium hydroxide	JT	1995	N (07 01 14) Maybe (07 08 14)	MINERALS		
Calcium hypochlorite	JD	2006	N (07 15 14)	SANITIZERS		
Calcium phosphate dibasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Calcium phosphate monobasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Calcium phosphate tribasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Carbon dioxide	JT	2006		GASES		

Carnauba Wax	ZS	-	Y. Done. Found Suff 06 03 14	FRUIT COATINGS		
Carob bean gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, guar gum, locust bean	GUMS, THICKENING AGENTS		
Carrot juice color	JR	None	Y (07 15 14)	COLORS		
Casings	JR		N (07 15 14)			
Celery powder	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Cherry juice color	MS	None	Y (07 15 14)	COLORS		
Chia (Salvia hispanica L.)	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Chlorine dioxide	JD	2006	N (07 15 14)	SANITIZERS		
Chokeberry—Aronia juice color	JR	None	Y (07 15 14)	COLORS		
Citric acid	JFo	1995	Y (06 17 14) + its salts	FOOD ACIDS		
Cornstarch (native)	ZS	1995	N (07 01 14)	GUMS, THICKENING AGENTS		
Dairy cultures	JFo	1995	Y (06 17 14) for anc substances			
Diatomaceous earth	JR	1995	N (06 17 14)	FILTERING AGENT		
Diglycerides	JR	1995	Y Lmtd scope (06 17 14) (combined with mono-)	DRYING		
Dillweed oil	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Elderberry juice color	JR	None	Y (07 15 14)	COLORS		
Enzymes	JFo	2011	N (07 15 14)			
Ethylene	JT	1999		GASES		
Ferrous sulfate	TF	1995	Y (07 15 14) One for vit/one for mins	VITAMINS & MINERALS		
Fish oil	JR	None	Y (07 15 14)			
Flavors	JR	2005	N (07 15 14)			
Fructooligosaccharides	JFo	2006	Y. As group (06 17 14)	DAIRY ADDITIVES		
Galangal, frozen	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Gelatin	ZS	2002	N (07 01 14)	GUMS, THICKENING AGENTS		
Glycerin	JR	2013	?	FILTERING AGENT		
Grape juice color	JR	None	Y (07 15 14)	COLORS		
Grape skin extract color	JR	None	Y (07 15 14)	COLORS		
Guar gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, carob bean, locust bean	GUMS, THICKENING AGENTS		

Hydrogen peroxide	JD		Y (07 15 14)	SANITIZERS		
Inulin-oligofructose enriched	JFo	None	Y. As group (06 17 14)	DAIRY ADDITIVES		
Kaolin	JR	1995	N (06 17 14)	FILTERING AGENT		
Kelp	ZS	1995	N (07 01 14)	GUMS, THICKENING AGENTS		
Konjac flour	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Lactic acid	JFo	1995	Y (06 17 14) + its salts	FOOD ACIDS		
Lecithin - de-oiled	ZS	2009	N (07 01 14)/(07 15 14)	PRESERVATIVES, THICKENERS		
Lemongrass-frozen	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Locust bean gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, guar gum, carob bean	GUMS, THICKENING AGENTS		
Magnesium carbonate	JT	1996	? (07 08 14)	MINERALS		
Magnesium chloride	JT	1995	? (07 08 14)	MINERALS		
Magnesium stearate	JR	1995	N (06 17 14)	DRYING		
Magnesium sulfate	JT	2011	? Lmtd scope (07 01 14)	MINERALS		
Monoglycerides	JR	1995	Y Lmtd scope (06 17 14) (combined with di-)	DRYING		
Nitrogen	JT	1995		GASES		
Nutrient vitamins and minerals	TF	1995	Y (07 15 14) One for vit/one for mins	VITAMINS & MINERALS		
Orange pulp, dried	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Orange Shellac	ZS	-	Y. Done. Found Suff 06 03 14	FRUIT COATINGS		
Oxygen	JT			GASES		
Ozone	JD	2002	Y (07 15 14)	SANITIZERS		
Paprika color	JR	None	Y (07 15 14)	COLORS		
Pectin (non-amidated forms only)	ZS	2010	? (07 01 14)	GUMS, THICKENING AGENTS		
Peppers (Chipotle chile)	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Perlite	JR	1996	N (06 17 14)	FILTERING AGENT		
Phosphoric acid	JD		N (07 15 14)	SANITIZERS		
Potassium acid tartrate	JT	1995	N (07 08 14)	MINERALS		
Potassium carbonate	JT	1995	Y (07 08 14)	MINERALS		
Potassium chloride	TF		Y (07 15 14) Lmtd scope	VITAMINS & MINERALS		
Potassium citrate	JT	1995	? (07 08 14)	MINERALS		
Potassium iodide	TF	2011	Y (07 15 14) One	VITAMINS & MINERALS		

			for vit/one for mins			
Potassium phosphate	JT	1995	Y (07 08 14)	MINERALS		
Pumpkin juice color	JR	None	Y (07 15 14)	COLORS		
Purple potato juice	JR	None	Y (07 15 14)	COLORS		
Red cabbage extract color	JR	None	Y (07 15 14)	COLORS		
Red radish extract color	JR	None	Y (07 15 14)	COLORS		
Saffron extract color	JR	None	Y (07 15 14)	COLORS		
Seaweed, Pacific kombu	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Silicon dioxide	JR	2010		FILTERING AGENT	November 2018 sunset date, not 2017	
Sodium bicarbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Sodium carbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Sodium citrate	JFo	1995	N (06 17 14)	FOOD ACIDS		
Sodium hydroxide	JT	1995	Y (07 08 14)	MINERALS		
Sodium hypochlorite	JD	2006	N (07 15 14)	SANITIZERS		
Sodium phosphates	JT	2001	Y (07 08 14)	MINERALS		
Sulfur dioxide	JD	2011	N (07 01 14)	PRESERVATIVES, THICKENERS		
Sweet potato starch	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Tocopherols	TF	1995	Y (07 01 14)	PRESERVATIVES, THICKENERS		
Turkish bay leaves	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Turmeric extract color	JR	None	Y (07 15 14)	COLORS		
Wakame seaweed (Undaria pinnatifida)	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Whey protein concentrate	JFo	None	Y. As group (06 17 14)	DAIRY ADDITIVES		
Wood rosin	ZS	-	Y. Done. Found Suff 06 03 14	Y. Done. Found Suff 06 03 14		
Xanthan gum	ZS	1995	Y Lmtd scope (07 01 14)	GUMS, THICKENING AGENTS		
Yeast	JFo	-	Y. Done. Found Suff 06 03 14			

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy or regulations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

**National Organic Standards Board (NOSB)
Handling Subcommittee (HS) Meeting Notes
Tuesday, October 21, 2014 1:00 pm ET**

Present: Harold Austin, Chair (HA), John Foster, Vice Chair (JFo), Zea Sonnabend (ZS), Joe Dickson (JD) Tracy Favre (TF), Jean Richardson (JR), Mac Stone (MS), Jennifer Taylor (JT), Joe Dickson (JD), Carmela Beck (CBe) - sitting in

Absent: none

Staff: Michelle Arsenault (MA), Emily Brown Rosen (EBR)

Work Plan

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gibberellic acid Petition Addendum	Add to 205.605	ZS, TF	2011 TR	Petition sent to HS 07 27 12. Petition suff response due 09 27 12. Sent back to petitioner for additional questions 01 09 13. Rcvd response 04 16 13. On hold until post-harvest handling (PHH) draft guidance is published. Draft PHH published 04 25 14.		TBD
Whole algal flour Petition Addendum #1	205.606	HA	N	Petition sent to HS on 09 30 13. Petition suff (including TR Request, if applicable) due 11 29 13. Petition found insufficient. Sent addit'l Q's to petitioner. Pet. Addendum sent to HS 01 22 14. Sufficiency due 02 25 14. Petition found "complete" 02 18 14. No TR will be requested	08 19 14	Proposal Fall 2014
Ammonium hydroxide (boiler water additive)	Add to 205.605	JR	No 2001 TAP	2000 petition , 2001 Recommendation , 2001 Background Paper . 2012 Petition sent to HS 11 06 12. Petition Sufficiency Response Due Date: 01 27 13. Petition found sufficient 12 18 12. No TR requested. Original proposal revised for spring 2014 meeting.		Proposal Spr 2015
Glycerin CAS #(56-81-5)	Remove from 205.605(b)	TF	1995 TR 2013 TR	Petition sent to HS on 01 09 13. Sufficiency response due 03 11 13. TR sent to HS on 06 11 13. Sufficiency due 08 12 13. TR found suff 07 02 13	08 20 14	Proposal Fall 2014

Petitioned Substances

Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Polyalkylene glycol monobutyl ether PGME (PDF) (CAS # 9038-95-3) As a boiler water additive	205.605	JR	2013 TR	Petition sent to MS/HS 01 28 13. TR Requested 2 19 2013. Draft TR sent to HS 06 11 13. TR sufficiency response due 08 12 13. TR found sufficient 07 02 13. Discussion doc returned to HS for further review. Supplemental TR rqstd 05 20 14. Waiting for petitioner response before proceeding with updated TR. No response so HS will request Limtd Scope TR 09 02 14.		Proposal Spr 2015
Triethyl Citrate	205.605	JR	Y	Petition sent to HS 03 04 14. Rqst for Q's or TR due 05 06 14. TR requested 04 16 14. TR in development (expected October 2014).		Proposal Spr 2015
Sodium Lactate	205.605	HA	Y	Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition. Due mid-September. No updated petition received.		TBD
Potassium Lactate	205.605	HA	Y	Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition. Due mid-September. No updated petition received.		TBD

2015 Sunsets § 205.605(a) and 205.606

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gellan gum CAS # 71010-52-1	205.605(a)	JD	Y	2006 TR , 2008 Recommendation 2010 FR notice	08 20 14	Summary: Spr 2014 Review: Fall 2014
Marsala	205.606(g)	TF	N	2008 Recommendation 2010 FR notice	08 20 14	Summary: Spr 2014 Review: Fall 2014
Sherry	205.606(g)	TF	N	2008 Recommendation 2010 FR notice	08 20 14	Summary: Spr 2014 Review: Fall 2014
Tragacanth CAS # 9000-65-1	205.606(x)	JD	N	2008 Recommendation 2010 FR notice	08 20 14	Summary: Spr 2014 Review: Fall 2014

2016 Sunsets § 205.605(a) and 205.606 (TR requests due to NOP Jan 2014)

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Egg white lysozyme CAS # 9001-63-2	205.605(a)	TF	No new TR 2011 TR 2003 TAP	Final Sunset Recommendation on Egg White Lysozyme on 205.605b (PDF) Nov 2009. No new questions	NA	Summary: Fall 2014 Review: Spr 2015
Microorganisms	205.605	ZS	Y 2003 TAP	Final Sunset Recommendation on Microorganisms on 205.605b (PDF) Nov 2009. TR requested by NOP Aug 26 2013. TR sent to HS 01 23 14. TR suff due 03 25 14. TR found not sufficient. TR sent to HS 07 24 14. Suffic due 08 27 14. TR found sufficient 08 06 14	NA	Summary: Fall 2014 Review: Spr 2015
Activated charcoal CAS #s 7440-44-0; 64365-11-3	205.605(b)	HA	No new TR 2002 TAP	Final Sunset Recommendation on Activated Charcoal on 205.605b (PDF) Nov 2009 Add questions for posting.	NA	Summary: Fall 2014 Review: Spr 2015
Peracetic acid CAS # 79-21-0	205.605(b)	JFo	No new TR 2000 TAP	Final Sunset Recommendation on Peracetic Acid on 205.605b (PDF) Oct 2009 No new questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Cyclohexylamine CAS # 108 -91-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Cyclohexylamine on 205.605b (PDF) Nov 2009. TR determination: 01 17 14 Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Diethylaminoethanol CAS # 100-37-8	205.605(b)	JT/HA	2001 TAP No new TR request	Final Sunset Recommendation on Dethylaminoethanol on 205.605b (PDF) Nov 2009. TR determination: 01 17 14 Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Octadecylamine CAS # 124-30-1	205.605(b)	TF	2001 TAP No new TR request	Final Sunset Recommendation on Octadecylamine on 205.605b (PDF) Nov. 2009 Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015

L-Malic acid CAS # 97 -67-6).	205.605(a)	JD	2003 TAP No new TR	Final Sunset Recommendation on L-Malic Acid on 205.605b (PDF) Nov 2009. TR determination: 01 17 14 Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Sodium acid pyrophosphate CAS # 7758-16-9 2009 Expanded use	205.605(b)	JD	2001 TAP 2010 TR No New TR	Apr 2011 Subcomm recommendation April 2011 NOSB recommendation Final Sunset Recommendation on SAPP on 205.605b (PDF) Nov 2009. Questions for posting	NA	Summary: Fall 2014 Review: Spr 2015
Tetrasodium pyrophosphate (TSP) CAS # 7722-88-5	205.605(b)	ZS	Y 2002 TR	Final Sunset Recommendation on TSP on 205.605b (PDF) Nov 2009. Requested a limtd scope TR 01 12 14. Lmtd Scope TR sent to HS 06 11 14. TR sufficiency due 08 12 14. TR found sufficient 08 05 14	NA	Summary: Fall 2014 Review: Spr 2015

2017 Sunsets §205.605(a), §205.605(b) and 205.606 TR Requests (see table below)

Other projects			
Name	Contact	Notes*	Meeting
Ancillary Substances	ZS	Final Recommendation: Ancillary Substances (Auxiliary/"other" ingredients) (PDF)	Fall 2014 (part of Microorganism discussion)
BPA prohibition	ZS	Submitted briefing paper to NOP 01 12 14. Waiting for feedback from NOP.	Discussion doc TBD

* **Highlight** indicates committee action needed.

Agenda

- Approve notes from October 7, 2014
- Recap of 2015 Sunset materials
- Recap of 2016 Sunset materials
- Recap of two proposals: Glycerin & Whole Algal Flour
- Discuss Louisville meeting prep
- Adjourn

Discussion

- **Notes** from October 7, 2014 approved as is.
- **Recap of 2015 Sunset materials.** The group discussed the public comments regarding the 2015 Sunset substances, and how best to present the documents at the fall meeting.
 - **Marsala, Sherry.** The proposals will go forth as is. HS will project the documents that were posted for comments.
 - **Tragacanth.** One commenter noted gum arabic as an alternative to tragacanth. There were no comments from the original petitioner, or other industry support and several commenters supported the proposal to delist.
 - **Gellan Gum.** Comments were varied. HS would like to clarify to the public the role of certifiers in verifying that gellan gum is not derived from GMOs, since that is an excluded method and is prohibited. Some commenters also mentioned ancillary substances, and the HS will address this to assure the stakeholders that they have considered it in their review. Use of isopropyl alcohol is a manufacturing step, not an ancillary substance.
- **Recap of 2016 Sunset materials**
 - The group discussed the public comments regarding the 2016 Sunset substances, and how best to present the documents at the fall meeting. Comments on Activated Charcoal included a request to change the annotation, and the HS will also consider the definition of vegetative source.
 - Egg white lysozyme – comments included concerns that it comes from non-organic chickens, and commenters claim it acts as a preservative. Others mentioned it is widely used in wine production.
 - Microorganisms - ZS will have a presentation. A number of comments were about the fermentation process and media used. This is generally reviewed as part of brand name product review, not at the NOSB level. Other comments were related to the need to clarify the definition of microorganisms. i.e. does it include live or killed forms, or products.
 - The HS would like to convey a message to certifiers that it's helpful to provide comments on current use patterns, as this information is not readily available from other sources.
 - Boiler amines - commenters support removal, alternative mechanical methods exist, though adequate time is needed for transition.
 - Peracetic - all comments support continued use
 - L-malic - mixed comments, some requested retention on the NL; others requested a new TR.
 - TSPP – One comment in favor, several against
- **Recap of two proposals: Glycerin & Whole Algal Flour (WAF)**
 - The NOP asked the HS to consider how best to approach the classification motion for WAF. The HS was unable to determine classification due to extensive redactions of Confidential Business Information (CBI).
 - Glycerin. The HS has revised the original proposal based on feedback from public comment and will preview the next version of the document at the meeting. Since the proposal was changed, and the NOP deemed it substantive, the proposal must be returned to Subcommittee and will not be voted on.
- **Discuss Louisville meeting prep.** Not discussed due to time constraints.
- **Adjourn**

[Previous HS Notes](#)

Future Call Schedule

Oct 7, 2014 1:00 ET

Boiler water additives panel discussion

Review public comment

Oct 21, 2014 1:00 ET

Next steps for 2016 and 2017 Sunset materials

Review public comment

Glycerin - continue discussion

Nov 4, 2014 1:00 ET (cancelled - Veteran's Day)

Nov 18, 2014 1:00 ET

Fall 2014 Milestones	Target date
NOSB Subcommittee requests technical reports for Sunset 2017 substances	Jul 15, 2014
NOP - Complete tentative agenda	Aug 7, 2014
NOSB - Fall 2014 proposals due to NOP	Aug 27, 2014
NOP - Post proposals, Publish FRN, Open public comment	Sep 8, 2014
NOSB Subcommittees - submit tentative workplans to NOP	Sept 11, 2014
Discuss workplans on ES call	Sept 12, 2014
Public comment closes	Oct 7, 2014
Workplans finalized on ES call (last call before fall mtg)	Oct 17, 2014
NOP - Send compiled public comments to NOSB	Oct 13, 2014
Fall 2014 NOSB Meeting – Louisville, KY	Oct 27 - Oct 31

2017 Sunsets §205.605(a), §205.605(b) and 205.606 TR Requests

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Yeast (2006) (PDF) Petition Supplement (2010) (PDF) Petition Memorandum (2010) (PDF)	205.605	JFo	Y	NOP 5014 – Certification of Organic Yeast (PDF) TAP – Yeast, Autolysate, 1995 TAP – Yeast, Bakers, 1995 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 NOSB Formal Rec (2010) NOSB Committee Rec (2010) NOSB Committee Rec (2007) 2014 TR sent to HS 01 22 14.		Summary: Spr 2015 Review: Fall 2015
Carnauba Wax	205.605	ZS	Y	TAP for Fruit Waxes, 1996 (PDF) 2014 TR sent to HS 01 24 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015
Orange Shellac	205.606	ZS	Y	TAP, 2002 (PDF) 2014 TR sent to HS 01 27 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015
Wood rosin	205.606	ZS	Y	TR sent to HS on 01 24 14. Sufficiency due July 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015
Alginates/ Alginic acid	205.605(b)/ 205.605(a)	ZS,T F	1995 TR Y	Combined TR Requested 08 15 14.		

Arabic gum, Carob bean gum, Guar gum, Locust bean gum	205.606	ZS	1995 Y Lmtd Scope	Gums. Combined TR		
Colors	205.606	JR	Y	TR Requested 08 15 14. All colors (17 total)		
Calcium citrate, Citric acid, Lactic acid, Sodium citrate	205.605(a) 205.605(b)	JFo	1995 Y	TR Requested 08 15 14. Food Acids + salts. 2 TRs: One for citric acid and its salts, and one for lactic acid and its salts. Look at ancillary substances		
Dairy Additives Fructooligosaccharid es, Inulin-oligofructose enriched, Whey protein concentrate	205.606	JFo	Y	Dairy additives. TR Requested 08 15 14. Combined TR		
Dairy Cultures	205.605(a)	JFo	1995 Y	TR for ancillary substances		
Diglycerides, Monoglycerides	205.605(b)	JR	1995 Y Lmtd scope	Lmtd scope TR Requested 08 15 14. Combined		
Enzymes	205.605(a)	JFo	Y Lmtd scope	Lmtd scope TR requested for ancillary substances approved by NOP 09 16 14		
Ferrous sulfate, Nutrient vitamins and minerals, Potassium chloride, Potassium iodide	205.605(b), 205.605(a)	TF	Y	TR Requested 08 15 14. One TR for vitamins		

Calcium carbonate, Calcium hydroxide, Magnesium carbonate, Magnesium chloride, Magnesium sulfate, Potassium acid tartrate, Potassium carbonate, Potassium citrate, Potassium phosphate, Sodium hydroxide, Sodium phosphates	205.605(a), 205.605(b)	JT	Y Lmtd scope	TR Requested 08 15 14. One TR for minerals		
Pectin (non-amidated forms only)	205.606	ZS	Y Lmtd scope	Lmtd scope TR requested for ancillary substances approved by NOP 09 16 14		
Fish oil	205.606	JR	Y	TR Requested 08 15 14.		
Hydrogen peroxide	205.605(b)	JD	Y	Sanitizers		
Ozone	205.605(b)			Sanitizers		
Tocopherols	205.605(b)	TF	Y Lmtd Scope	Lmtd scope TR Requested 08 15 14		
Xanthan gum	205.605(b)	ZS	Y			
Ammon bicarbonate, Ammon carbonate, Calcium phosphate (monobasic, dibasic, tribasic), Sodium bicarbonate, Sodium carbonate	205.605(b) 205.605(a)	HA	Y	Leavening agents		
Carbon dioxide, Ethylene, Nitrogen, Oxygen	205.605(b) 205.605(a)	JT	Y	Gases		

2017 Sunsets No TRs

Substance * Highlight = Multiple listings * Greyed out = moved to table above as they are reviewed	Contact	TR	New TR Rqust	Misc notes	Vote	Meeting Summary: Spr 2015 Review: Fall 2015
Acidified sodium chlorite	JD	2008	N (07 15 14)	SANITIZERS		
Alginates	ZS	1995	Y (07 01 14) combined w/alginate acid	GUMS, THICKENING AGENTS		
Alginic acid	TF	none	Y (07 15 14) combined w/alginate			
Ammonium bicarbonate	HA	2004	N (07 01 14)	LEAVENING AGENTS		
Ammonium carbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Arabic gum	ZS	1995	Y Lmtd Scope (07 01 14) + carob bean, guar gum, locust bean	GUMS, THICKENING AGENTS		
Ascorbic acid	TF	1995	N (07 08 14)	VITAMINS & MINERALS		
Attapulgate	JR	2010	N (06 17 14)	FILTERING AGENT		
Beet juice extract color	JR	None	Y (07 15 14)	COLORS		
Bentonite	JR	1995	N (06 17 14)	FILTERING AGENT		
Black currant juice color	JR	None	Y (07 15 14)	COLORS		
Black/Purple carrot juice color	JR	None	Y (07 15 14)	COLORS		
Blueberry juice color	JR	None	Y (07 15 14)	COLORS		
Calcium carbonate	JT	1995	N or Low priority (07 01 14) & (07 08 14)	MINERALS		
Calcium chloride	TF		Y (07 15 14)	VITAMINS & MINERALS		
Calcium citrate	JFo	1995	Y (06 17 14)	FOOD ACIDS		
Calcium hydroxide	JT	1995	N (07 01 14) Maybe (07 08 14)	MINERALS		
Calcium hypochlorite	JD	2006	N (07 15 14)	SANITIZERS		
Calcium phosphate dibasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Calcium phosphate monobasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Calcium phosphate tribasic	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Carbon dioxide	JT	2006		GASES		

Carnauba Wax	ZS	-	Y. Done. Found Suff 06 03 14	FRUIT COATINGS		
Carob bean gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, guar gum, locust bean	GUMS, THICKENING AGENTS		
Carrot juice color	JR	None	Y (07 15 14)	COLORS		
Casings	JR		N (07 15 14)			
Celery powder	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Cherry juice color	MS	None	Y (07 15 14)	COLORS		
Chia (Salvia hispanica L.)	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Chlorine dioxide	JD	2006	N (07 15 14)	SANITIZERS		
Chokeberry—Aronia juice color	JR	None	Y (07 15 14)	COLORS		
Citric acid	JFo	1995	Y (06 17 14) + its salts	FOOD ACIDS		
Cornstarch (native)	ZS	1995	N (07 01 14)	GUMS, THICKENING AGENTS		
Dairy cultures	JFo	1995	Y (06 17 14) for anc substances			
Diatomaceous earth	JR	1995	N (06 17 14)	FILTERING AGENT		
Diglycerides	JR	1995	Y Lmtd scope (06 17 14) (combined with mono-)	DRYING		
Dillweed oil	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Elderberry juice color	JR	None	Y (07 15 14)	COLORS		
Enzymes	JFo	2011	N (07 15 14)			
Ethylene	JT	1999		GASES		
Ferrous sulfate	TF	1995	Y (07 15 14) One for vit/one for mins	VITAMINS & MINERALS		
Fish oil	JR	None	Y (07 15 14)			
Flavors	JR	2005	N (07 15 14)			
Fructooligosaccharides	JFo	2006	Y. As group (06 17 14)	DAIRY ADDITIVES		
Galangal, frozen	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Gelatin	ZS	2002	N (07 01 14)	GUMS, THICKENING AGENTS		
Glycerin	JR	2013	?	FILTERING AGENT		
Grape juice color	JR	None	Y (07 15 14)	COLORS		
Grape skin extract color	JR	None	Y (07 15 14)	COLORS		
Guar gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, carob bean, locust bean	GUMS, THICKENING AGENTS		

Hydrogen peroxide	JD		Y (07 15 14)	SANITIZERS		
Inulin-oligofructose enriched	JFo	None	Y. As group (06 17 14)	DAIRY ADDITIVES		
Kaolin	JR	1995	N (06 17 14)	FILTERING AGENT		
Kelp	ZS	1995	N (07 01 14)	GUMS, THICKENING AGENTS		
Konjac flour	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Lactic acid	JFo	1995	Y (06 17 14) + its salts	FOOD ACIDS		
Lecithin - de-oiled	ZS	2009	N (07 01 14)/(07 15 14)	PRESERVATIVES, THICKENERS		
Lemongrass-frozen	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Locust bean gum	ZS	1995	Y Lmtd Scope (07 01 14) + arabic gum, guar gum, carob bean	GUMS, THICKENING AGENTS		
Magnesium carbonate	JT	1996	? (07 08 14)	MINERALS		
Magnesium chloride	JT	1995	? (07 08 14)	MINERALS		
Magnesium stearate	JR	1995	N (06 17 14)	DRYING		
Magnesium sulfate	JT	2011	? Lmtd scope (07 01 14)	MINERALS		
Monoglycerides	JR	1995	Y Lmtd scope (06 17 14) (combined with di-)	DRYING		
Nitrogen	JT	1995		GASES		
Nutrient vitamins and minerals	TF	1995	Y (07 15 14) One for vit/one for mins	VITAMINS & MINERALS		
Orange pulp, dried	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Orange Shellac	ZS	-	Y. Done. Found Suff 06 03 14	FRUIT COATINGS		
Oxygen	JT			GASES		
Ozone	JD	2002	Y (07 15 14)	SANITIZERS		
Paprika color	JR	None	Y (07 15 14)	COLORS		
Pectin (non-amidated forms only)	ZS	2010	? (07 01 14)	GUMS, THICKENING AGENTS		
Peppers (Chipotle chile)	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Perlite	JR	1996	N (06 17 14)	FILTERING AGENT		
Phosphoric acid	JD		N (07 15 14)	SANITIZERS		
Potassium acid tartrate	JT	1995	N (07 08 14)	MINERALS		
Potassium carbonate	JT	1995	Y (07 08 14)	MINERALS		
Potassium chloride	TF		Y (07 15 14) Lmtd scope	VITAMINS & MINERALS		
Potassium citrate	JT	1995	? (07 08 14)	MINERALS		
Potassium iodide	TF	2011	Y (07 15 14) One	VITAMINS & MINERALS		

			for vit/one for mins			
Potassium phosphate	JT	1995	Y (07 08 14)	MINERALS		
Pumpkin juice color	JR	None	Y (07 15 14)	COLORS		
Purple potato juice	JR	None	Y (07 15 14)	COLORS		
Red cabbage extract color	JR	None	Y (07 15 14)	COLORS		
Red radish extract color	JR	None	Y (07 15 14)	COLORS		
Saffron extract color	JR	None	Y (07 15 14)	COLORS		
Seaweed, Pacific kombu	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Silicon dioxide	JR	2010		FILTERING AGENT	November 2018 sunset date, not 2017	
Sodium bicarbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Sodium carbonate	HA	1995	N (07 01 14)	LEAVENING AGENTS		
Sodium citrate	JFo	1995	N (06 17 14)	FOOD ACIDS		
Sodium hydroxide	JT	1995	Y (07 08 14)	MINERALS		
Sodium hypochlorite	JD	2006	N (07 15 14)	SANITIZERS		
Sodium phosphates	JT	2001	Y (07 08 14)	MINERALS		
Sulfur dioxide	JD	2011	N (07 01 14)	PRESERVATIVES, THICKENERS		
Sweet potato starch	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Tocopherols	TF	1995	Y (07 01 14)	PRESERVATIVES, THICKENERS		
Turkish bay leaves	JD	None	N (07 15 14)	MISC. INGREDIENTS		
Turmeric extract color	JR	None	Y (07 15 14)	COLORS		
Wakame seaweed (Undaria pinnatifida)	ZS	None	N (07 01 14)	GUMS, THICKENING AGENTS		
Whey protein concentrate	JFo	None	Y. As group (06 17 14)	DAIRY ADDITIVES		
Wood rosin	ZS	-	Y. Done. Found Suff 06 03 14	Y. Done. Found Suff 06 03 14		
Xanthan gum	ZS	1995	Y Lmtd scope (07 01 14)	GUMS, THICKENING AGENTS		
Yeast	JFo	-	Y. Done. Found Suff 06 03 14			

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy or regulations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

**National Organic Standards Board (NOSB)
Handling Subcommittee (HS) Meeting Notes
Tuesday, November 18, 2014 1:00 pm ET**

Present: Harold Austin, Chair (HA), John Foster, Vice Chair (JFo), Zea Sonnabend (ZS), Tracy Favre (TF), Jean Richardson (JR), Tom Chapman (TC) - sitting in, Lisa de Lima (LD) - sitting in, Jay Feldman (JFe) - sitting in
Absent: Jennifer Taylor (JT), Mac Stone (MS), Joe Dickson (JD)
Staff: Michelle Arsenault (MA), Emily Brown Rosen (EBR)

Work Agenda

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Gibberellic acid Petition Addendum	Add to 205.605	ZS, TF	2011 TR	Petition sent to HS 07 27 12. Petition suff response due 09 27 12. Sent back to petitioner for additional questions 01 09 13. Rcvd response 04 16 13. On hold until post harvest handling (PHH) draft guidance is published. Draft PHH published 04 25 14. Gibberellic acid will be removed from the HS agenda		TBD
Whole algal flour Petition Addendum #1	205.606	HA	N	Petition sent to HS on 09 30 13. Petition suff (including TR Request, if applicable) due 11 29 13. Petition found insufficient. Sent addit'l Q's to petitioner. Pet. Addendum sent to HS 01 22 14. Sufficiency due 02 25 14. Petition found "complete" 02 18 14. No TR requested. Proposal for fall 2014 returned to HS.		Proposal Spr 2015
Ammonium hydroxide (boiler water additive)	Add to 205.605	JR	No 2001 TAP	2000 petition . 2001 Recommendation . 2001 Background Paper . 2012 Petition Sufficiency Response Due Date: 01 27 13. Petition found sufficient 12 18 12. No TR requested. Original proposal revised for spring 2014 meeting.		Proposal Spr 2015
Glycerin CAS #(56-81-5)	Remove from 205.605(b)	TF	1995 TR 2013 TR	Petition sent to HS on 01 09 13. Sufficiency response due 03 11 13. TR sent to HS on 06 11 13. Sufficiency due 08 12 13. TR found suff 07 02 13. Proposal for fall 2014, returned to HS.		Proposal Spr 2015

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Polyalkylene glycol monobutyl ether PGME (PDF) (CAS # 9038-95-3) As a boiler water additive	205.605	JR	2013 TR	Petition sent to MS/HS 01 28 13. TR Requested 2 19 2013. Draft TR sent to HS 06 11 13. TR sufficiency response due 08 12 13. TR found sufficient 07 02 13. Discussion doc returned to HS for further review. Supplemental TR rqstd 05 20 14. Waiting for petitioner response before proceeding with updated TR. No response so HS will request Limtd Scope TR 09 02 14.		Proposal Spr 2015
Triethyl Citrate	205.605	JR	2014 TR	Petition sent to HS 03 04 14. Rqst for Q's or TR due 05 06 14. TR requested 04 16 14. TR in development (expected October 2014). TR sent to HS 11 06 14. Sufficiency due 01 06 15. TR found sufficient 11 20 14.		Proposal Spr 2015
Sodium Lactate	205.605	HA	Y	Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition. Due mid-September. No updated petition received.		TBD
Potassium Lactate	205.605	HA	Y	Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition. Due mid-September. No updated petition received.		TBD

2016 Sunsets § 205.605(a) and 205.606						
Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Egg white lysozyme CAS # 9001-63-2	205.605(a)	TF	No new TR 2011 TR 2003 TAP	Final Sunset Recommendation on Egg White Lysozyme on 205.605b (PDF) Nov 2009.		Summary: Fall 2014 Review: Spr 2015
Microorganisms	205.605	ZS	2014 TR 2003 TAP	Final Sunset Recommendation on Microorganisms on 205.605b (PDF) Nov 2009. TR requested by NOP Aug 26 2013. TR sent to HS 01 23 14. TR suff due 03 25 14. TR found not sufficient. TR sent to HS 07 24 14. Suffic due 08 27 14. TR found sufficient 08 06 14		Summary: Fall 2014 Review: Spr 2015

Activated charcoal CAS #s 7440-44-0; 64365-11-3	205.605(b)	HA	No new TR 2002 TAP	Final Sunset Recommendation on Activated Charcoal on 205.605b (PDF) Nov 2009		Summary: Fall 2014 Review: Spr 2015
Peracetic acid CAS # 79-21-0	205.605(b))	JFo/TC	No new TR 2000 TAP	Final Sunset Recommendation on Peracetic Acid on 205.605b (PDF) Oct 2009		Summary: Fall 2014 Review: Spr 2015
Cyclohexylamine CAS # 108 -91-8	205.605(b)	JT/HA - TF	2001 TAP No new TR	Final Sunset Recommendation on Cyclohexylamine on 205.605b (PDF) Nov 2009. TR determination: 01 17 14		Summary: Fall 2014 Review: Spr 2015
Diethylaminoethanol CAS # 100-37-8	205.605(b)	JT/HA -TF	2001 TAP No new TR	Final Sunset Recommendation on Dethylaminoethanol on 205.605b (PDF) Nov 2009. TR determination: 01 17 14		Summary: Fall 2014 Review: Spr 2015
Octadecylamine CAS # 124-30-1	205.605(b)	TF	2001 TAP No new TR request	Final Sunset Recommendation on Octadecylamine on 205.605b (PDF) Nov. 2009		Summary: Fall 2014 Review: Spr 2015
L-Malic acid CAS # 97 -67-6).	205.605(a)	JD/AS	2003 TAP No new TR	Final Sunset Recommendation on L-Malic Acid on 205.605b (PDF) Nov 2009. TR determination: 01 17 14 Questions for posting		Summary: Fall 2014 Review: Spr 2015
Sodium acid pyrophosphate CAS # 7758-16-9 2009 Expanded use	205.605(b)	JD/LD	2001 TAP 2010 TR No New TR	Apr 2011 Subcomm recommendation April 2011 NOSB recommendation Final Sunset Recommendation on SAPP on 205.605b (PDF) Nov 2009.		Summary: Fall 2014 Review: Spr 2015

Tetrasodium pyrophosphate (TSP) CAS # 7722-88-5	205.605(b)	ZS	2014 Lmtd Scope TR 2002 TR	Final Sunset Recommendation on TSP on 205.605b (PDF) Nov 2009. Requested a limtd scope TR 01 12 14. Lmtd Scope TR sent to HS 06 11 14. TR sufficiency due 08 12 14. TR found sufficient 08 05 14		Summary: Fall 2014 Review: Spr 2015
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2017 Sunsets §205.605(a), §205.605(b) and 205.606 TR Requests (see table below)

Other projects			
Name	Contact	Notes*	Meeting
Packaging substances used in organic food handling - including BPA	ZS	Submitted briefing paper to NOP 01 12 14. Waiting for feedback from NOP.	Discussion doc TBD

* **Highlight** indicates committee action needed.

Agenda

- Approve notes from the October 21 call
- Recap of the Louisville meeting
- Discuss proposals referred back to the HS and how to proceed (glycerin & whole algal flour)
- Review current semester work items and lay out a course of action for upcoming calls, status of TRs that have be requested
- Review current timeline & call schedule
- Update/discussion on ammonium hydroxide
- Discuss 2016 Sunset Materials and next steps (update on Triethyl Citrate TR sufficiency)
- Discuss 2017 Sunset Materials
- Other business
- Adjourn

Discussion

- **Notes** from October 21, 2014 were approved with no changes
- **Recap of fall 2014 meeting - Louisville.** Members felt the meeting went very well, and proceeded to discuss the proposals that were sent back to Subcommittee for further work.
- **Glycerin** - The proposal (version 7) is essentially completed except for some proofreading and minor edits. The lead will complete these tasks and send it to the HS so they can vote on it on the next call. Members discussed the feedback they received including comments about which forms of glycerin are considered agricultural. The classification motion includes a definition of what forms of glycerin are considered agricultural. The NOP suggested that the lead include information in the proposal about which versions of glycerin are synthetic and which are not, to add clarity.

- **Whole algal flour (WAF) (HA)** - The lead will send out a revised version of the proposal so the group can review it and discuss it on the next call.
- **TSPP (ZS) (2016 sunset)** - The lead noted that she spoke to stakeholders at the fall meeting and it seemed there was no much support for keeping this material on the National List. The group will discuss and vote on the proposal on December 2.
- **Preliminary checklist completion** - The group discussed how to complete the sunset checklists and what language would be useful to clarify the NOSBs intent with regard to “motions to remove”. EBR will review the forms and provide feedback to the Board about how to improve or clarify the language. The NOP also noted that this is a project the PDS may be working on.
- **Work agenda review** - The following 2016 Sunset materials that will be transitioned to new members before the current members rotate off.
 - Paracetic acid (JFo) - TC will complete this review.
 - Boiler Amines (JT) - TF will complete these reviews
 - LMalic (JD) - AS will complete this review
 - Sodium acid pyrophosphate (JD) to LD will complete this review
- **Additional calls scheduled for** Jan 27 and Feb 24, 2015. The Feb 3, 2015 call will be moved to Mon Feb 2 to accommodate the NOSB new member training.
- **PGME** - The supplemental TR is in development. The lead feels it will not be a complicated review and the group will be able to discuss and review it in early January, if the TR is completed. Scheduled for Jan 6.
- **Discuss 2016 Sunset Materials.** The HS scheduled materials for discussion - see calendar below
 - **Triethyl Citrate (JR)** - Petitioned for addition to 205.605. The lead noted that the material is synthetic. The TR was sent to the HS on Nov 15 and was found sufficient, and very thorough. The lead reviewer will develop a checklist and the HS will review it on Jan 6
- **Ammonium hydroxide proposal.** The lead noted that this version contained some minor updates based on public comments. The group proceeded to vote, and subsequently withdrew the motion to list so the members could review the new document more closely.

Motion to classify Ammonium hydroxide as petitioned as synthetic:

Motion by: JR

Seconded by: ZS

Discussion: none

Yes: 6 No: 0 Abstain: 0 Absent: 2 Recuse: 0

Motion to add Ammonium hydroxide as petitioned to 205.605:

Motion by: JR

Seconded by: TF

Discussion: The group noted that this material does not meet the criteria as set forth in OFPA. Additionally it is one of the few boiler chemicals allowed in dairy products.. The lead feels that more discussion and review needs to be conducted before the HS votes. And therefore the motion was withdrawn and the HS will vote on the listing motion on Dec 16.

- **2017 Sunset Materials** - The HS Chair asked that the members consider which materials they can proceed with, especially those that are not waiting for TRs
- **The meeting was adjourned**

[Previous HS Notes](#)

Future Call Schedule

Nov 4, 2014 1:00 ET (cancelled - Veteran's Day)

Nov 18, 2014 1:00 ET

Discuss Triethyl Citrate TR

Discuss Ammonium hydroxide proposal/checklist

Dec 2, 2014 1:00 ET

- TSPP (2016 Sunset) (ZS) - Discuss proposal and vote
- Glycerin (TF) - Discuss proposal and vote
- WAF (HA) - Discuss proposal. Vote on next call
- Activated charcoal (2016 Sunset) (HA) - Discuss and vote if ready
- Boiler Amines (2016 Sunsets) (JT/TF)- Discuss reviews for second posting
- 2017 sunset items that will have no TR - Discuss

Dec 16, 2014 1:00 ET

- Boiler Amines (2016 Sunsets) (JT/TF) - Discussion of reviews for second posting
- LMalic Acid (2016 Sunset) (JD) - Discuss and vote
- SAPP (2016 Sunset) (JD) - Discuss and vote
- Paracetic Acid (2016 Sunset) (JFo) - Discuss and vote
- Ammonium Hydroxide (JR) - Vote on listing motion
- WAF – Complete discussion of proposal and vote.
- Microorganisms (ZS) - Discuss

Jan 6, 2015 1:00 ET

- Egg White Lysozyme (2016 Sunset) (TF) – Discuss review for second posting
- Microorganisms (2016 Sunset) (ZS) - Vote
- PGME (JR) - Discuss TR if it is available
- Triethyl Citrate (JR) - Discuss checklist/vote if ready

Jan 20, 2015 1:00 ET

- PGME vote if finished

Jan 27, 2015 1:00 ET - Additional call

- Triethyl Citrate - vote

Feb 3, 2015 1:00 ET - Move to Mon Feb 2?

Feb 17, 2015 1:00 ET

Feb 24, 2015 1:00 ET - Additional call

Mar 3, 2015 1:00 ET

Mar 17, 2015 1:00 ET

Apr 7, 2015 1:00 ET

Apr 21, 2015 1:00 ET

Spring 2015 Milestones	Target date
NOSB Training	Feb 4-5, 2015
NOP - Complete Spring 2015 NOSB meeting tentative agenda	Feb 7, 2015
NOSB - Spring 2015 proposals due to NOP	Feb 25, 2015
NOP - Post proposals, Publish FRN, Open public comment	Mar 9, 2015

Discuss work agendas on ES call	Mar 13, 2015
Public comment closes	Apr 6, 2015
Work agendas finalized on ES call (last call before spring mtg)	Apr 10, 2015
NOP - Send compiled public comments to NOSB	Apr 13, 2015
Spring 2015 NOSB meeting - La Jolla, CA	Week of April 27 - 31

2017 Sunsets §205.605(a), §205.605(b) and 205.606 TR Requests						
Summary: Spr 2015 Complete Review: Fall 2015						
Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting

Yeast (2006) (PDF) Petition Supplement (2010) (PDF) Petition Memorandum (2010) (PDF)	205.605	JFo	2014 TR	NOP 5014 – Certification of Organic Yeast (PDF) TAP – Yeast, Autolysate, 1995 TAP – Yeast, Bakers, 1995 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 NOSB Formal Rec (2010) NOSB Committee Rec (2010) NOSB Committee Rec (2007) 2014 TR sent to HS 01 22 14.		Summary: Spr 2015 Review: Fall 2015
Carnauba Wax	205.605	ZS	2014 TR	TAP for Fruit Waxes, 1996 (PDF) 2014 TR sent to HS 01 24 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015
Orange Shellac	205.606	ZS	2014 TR	TAP, 2002 (PDF) 2014 TR sent to HS 01 27 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015
Wood rosin	205.606	ZS	2014 TR	TR sent to HS on 01 24 14. Sufficiency due July 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015
Alginates/ Alginic acid	205.605(b)/ 205.605(a)	ZS,T F	1995 TR Y	Combined TR Requested 08 15 14.		
Arabic gum, Carob bean gum, Guar gum, Locust bean gum	205.606	ZS	1995 Y Lmt Scope	Gums. Combined TR		

Colors	205.606	JR	Y	TR Requested 08 15 14. All colors (17 total)		
Calcium citrate, Citric acid, Lactic acid, Sodium citrate	205.605(a) 205.605(b)	JFo	1995 Y	TR Requested 08 15 14. Food Acids + salts. 2 TRs: One for citric acid and its salts, and one for lactic acid and its salts. Look at ancillary substances		
Dairy Additives Fructooligosaccharides, Inulin-oligofructose enriched, Whey protein concentrate	205.606	JFo	Y	Dairy additives. TR Requested 08 15 14. Combined TR		
Dairy Cultures	205.605(a)	JFo	1995 Y	TR for ancillary substances		
Diglycerides, Monoglycerides	205.605(b)	JR	1995 Y Lmtd scope	Lmtd scope TR Requested 08 15 14. Combined		
Enzymes	205.605(a)	JFo	Y Lmtd scope	Lmtd scope TR requested for ancillary substances approved by NOP 09 16 14		
Ferrous sulfate, Nutrient vitamins and minerals, Potassium chloride, Potassium iodide	205.605(b), 205.605(a)	TF	Y	TR Requested 08 15 14. One TR for vitamins		
Calcium carbonate, Calcium hydroxide, Magnesium carbonate, Magnesium chloride, Magnesium sulfate, Potassium acid tartrate, Potassium carbonate, Potassium citrate, Potassium phosphate, Sodium hydroxide, Sodium phosphates	205.605(a), 205.605(b)	JT	Y Lmtd scope	TR Requested 08 15 14. One TR for minerals		

Pectin (non-amidated forms only)	205.606	ZS	Y Lmtd scope	Lmtd scope TR requested for ancillary substances approved by NOP 09 16 14		
Fish oil	205.606	JR	Y	TR Requested 08 15 14.		
Hydrogen peroxide	205.605(b)	JD	Y	Sanitizers		
Ozone	205.605(b)			Sanitizers		
Tocopherols	205.605(b)	TF	Y Lmtd Scope	Lmtd scope TR Requested 08 15 14		
Xanthan gum	205.605(b)	ZS	Y			
Ammon bicarbonate, Ammon carbonate, Calcium phosphate (monobasic, dibasic, tribasic), Sodium bicarbonate, Sodium carbonate	205.605(b) 205.605(a)	HA	Y	Leavening agents		
Carbon dioxide, Ethylene, Nitrogen, Oxygen	205.605(b) 205.605(a)	JT	Y	Gases		

**2017 Sunsets §205.605(a), §205.605(b) and 205.606 No TR Requests
Summary: Spr 2015 Complete Review: Fall 2015**

Acidified sodium chlorite		JD	2008	SANITIZERS		
Ascorbic acid		TF	1995	VITAMINS & MINERALS		
Attapulgate		JR	2010	FILTERING AGENT		
Bentonite		JR	1995	FILTERING AGENT		
Calcium chloride		TF		VITAMINS & MINERALS		
Calcium hypochlorite		JD	2006	SANITIZERS		
Casings		JR				
Celery powder		JD	None	MISC. INGREDIENTS		
Chia (Salvia hispanica L.)		JD	None	MISC. INGREDIENTS		
Chlorine dioxide		JD	2006	SANITIZERS		
Cornstarch (native)		ZS	1995	GUMS, THICKENING AGENTS		
Diatomaceous earth		JR	1995	FILTERING AGENT		
Dillweed oil		JD	None	MISC. INGREDIENTS		
Flavors		JR	2005			
Galangal, frozen		JD	None	MISC. INGREDIENTS		
Gelatin		ZS	2002	GUMS, THICKENING AGENTS		
Glycerin		JR	2013	FILTERING AGENT		
Kaolin		JR	1995	FILTERING AGENT		
Kelp		ZS	1995	GUMS, THICKENING AGENTS		
Konjac flour		ZS	None	GUMS, THICKENING AGENTS		
Lecithin - de-oiled		ZS	2009	PRESERVATIVES, THICKENERS		
Lemongrass-frozen		JD	None	MISC. INGREDIENTS		
Magnesium stearate		JR	1995	DRYING		
Orange pulp, dried		JD	None	MISC. INGREDIENTS		
Peppers (Chipotle chile)		JD	None	MISC. INGREDIENTS		
Perlite		JR	1996	FILTERING AGENT		
Phosphoric acid		JD		SANITIZERS		
Seaweed, Pacific kombu		ZS	None	GUMS, THICKENING AGENTS		
Sodium hypochlorite		JD	2006	SANITIZERS		
Sulfur dioxide		JD	2011	PRESERVATIVES, THICKENERS		
Sweet potato starch		ZS	None	GUMS, THICKENING AGENTS		
Turkish bay leaves		JD	None	MISC. INGREDIENTS		
Wakame seaweed (Undaria pinnatifida)		ZS	None	GUMS, THICKENING AGENTS		

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy or regulations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

**National Organic Standards Board (NOSB)
Handling Subcommittee (HS) Meeting Notes
Tuesday, December 02, 2014 1:00 pm ET**

Present: Harold Austin, Chair (HA), Zea Sonnabend (ZS), Tracy Favre (TF), Jennifer Taylor (JT), Joe Dickson (JD), Tom Chapman (TC) - sitting in

Absent: John Foster, Vice Chair (JFo), Mac Stone (MS), Jean Richardson (JR)

Staff: Michelle Arsenault (MA), Emily Brown Rosen (EBR)

Work Agenda

Petitioned Substances						
Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Whole algal flour Petition Addendum #1	205.606	HA	N	Petition sent to HS on 09 30 13. Petition suff (including TR Request, if applicable) due 11 29 13. Petition found insufficient. Sent addit'l Q's to petitioner. Pet. Addendum sent to HS 01 22 14. Sufficiency due 02 25 14. Petition found "complete" 02 18 14. No TR requested. Proposal for fall 2014 returned to HS.		Proposal Spr 2015
Ammonium hydroxide (boiler water additive)	Add to 205.605	JR	No 2001 TAP	2000 petition. 2001 Recommendation. 2001 Background Paper. 2012 Petition sent to HS 11 06 12. Petition Sufficiency Response Due Date: 01 27 13. Petition found sufficient 12 18 12. No TR requested. Original proposal revised for spring 2014 meeting.	Classification Motion 11 18 14	Proposal Spr 2015
Glycerin CAS #(56-81-5)	Remove from 205.605(b)	TF	1995 TR 2013 TR	Petition sent to HS on 01 09 13. Sufficiency response due 03 11 13. TR sent to HS on 06 11 13. Sufficiency due 08 12 13. TR found suff 07 02 13. Proposal for fall 2014 returned to HS.	12 02 14 Vote will remain open until 12 05 14	Proposal Spr 2015

Petitioned Substances

Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Polyalkylene glycol monobutyl ether PGME (PDF) (CAS # 9038-95-3) As a boiler water additive	205.605	JR	2013 TR	Petition sent to MS/HS 01 28 13. TR Requested 2 19 2013. Draft TR sent to HS 06 11 13. TR sufficiency response due 08 12 13. TR found sufficient 07 02 13. Discussion doc returned to HS for further review. Supplemental TR rqstd 05 20 14. Waiting for petitioner response before proceeding with updated TR. No response so HS will request Limtd Scope TR 09 02 14.		Proposal Spr 2015
Triethyl Citrate	205.605	JR	2014 TR	Petition sent to HS 03 04 14. Rqst for Q's or TR due 05 06 14. TR requested 04 16 14. TR in development (expected October 2014). TR sent to HS 11 06 14. Sufficiency due 01 06 15. TR found sufficient 11 20 14.		Proposal Spr 2015
Sodium Lactate	205.605	HA	Y	Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition. Due mid-September. No updated petition received.		TBD
Potassium Lactate	205.605	HA	Y	Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition. Due mid-September. No updated petition received.		TBD

2016 Sunsets § 205.605(a) and 205.606

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Egg white lysozyme CAS # 9001-63-2	205.605(a)	TF	No new TR 2011 TR 2003 TAP	Final Sunset Recommendation on Egg White Lysozyme on 205.605b (PDF) Nov 2009.		Summary: Fall 2014 Review: Spr 2015

Microorganisms	205.605	ZS	2014 TR 2003 TAP	Final Sunset Recommendation on Microorganisms on 205.605b (PDF) Nov 2009. TR requested by NOP Aug 26 2013. TR sent to HS 01 23 14. TR suff due 03 25 14. TR found not sufficient. TR sent to HS 07 24 14. Suffic due 08 27 14. TR found sufficient 08 06 14		Summary: Fall 2014 Review: Spr 2015
Activated charcoal CAS #s 7440-44-0; 64365-11-3	205.605(b)	HA	No new TR 2002 TAP	Final Sunset Recommendation on Activated Charcoal on 205.605b (PDF) Nov 2009		Summary: Fall 2014 Review: Spr 2015
Peracetic acid CAS # 79-21-0	205.605(b))	JFo/T C	No new TR 2000 TAP	Final Sunset Recommendation on Peracetic Acid on 205.605b (PDF) Oct 2009		Summary: Fall 2014 Review: Spr 2015
Cyclohexylamine CAS # 108 -91-8	205.605(b)	JT/HA - TF	2001 TAP No new TR	Final Sunset Recommendation on Cyclohexylamine on 205.605b (PDF) Nov 2009. TR determination: 01 17 14		Summary: Fall 2014 Review: Spr 2015
Diethylaminoethanol CAS # 100-37-8	205.605(b)	JT/HA -TF	2001 TAP No new TR	Final Sunset Recommendation on Dethylaminoethanol on 205.605b (PDF) Nov 2009. TR determination: 01 17 14		Summary: Fall 2014 Review: Spr 2015
Octadecylamine CAS # 124-30-1	205.605(b)	TF	2001 TAP No new TR request	Final Sunset Recommendation on Octadecylamine on 205.605b (PDF) Nov. 2009		Summary: Fall 2014 Review: Spr 2015
L-Malic acid CAS # 97 -67-6).	205.605(a)	JD/AS	2003 TAP No new TR	Final Sunset Recommendation on L-Malic Acid on 205.605b (PDF) Nov 2009. TR determination: 01 17 14 Questions for posting		Summary: Fall 2014 Review: Spr 2015

Sodium acid pyrophosphate CAS # 7758-16-9 2009 Expanded use	205.605(b)	JD/LD	2001 TAP 2010 TR No New TR	Apr 2011 Subcomm recommendation April 2011 NOSB recommendation Final Sunset Recommendation on SAPP on 205.605b (PDF) Nov 2009.		Summary: Fall 2014 Review: Spr 2015
Tetrasodium pyrophosphate (TSPP) CAS # 7722-88-5	205.605(b)	ZS	2014 Lmtd Scope TR 2002 TR	Final Sunset Recommendation on TSPP on 205.605b (PDF) Nov 2009. Requested a limtd scope TR 01 12 14. Lmtd Scope TR sent to HS 06 11 14. TR sufficiency due 08 12 14. TR found sufficient 08 05 14	12 02 14. Vote will remain open until 12 05 14	Summary: Fall 2014 Review: Spr 2015

2017 Sunsets §205.605(a), §205.605(b) and 205.606 TR Requests (see table below)

Other projects			
Name	Contact	Notes*	Meeting
Packaging substances used in organic food handling - including BPA	ZS	Submitted briefing paper to NOP 01 12 14. Waiting for feedback from NOP.	Discussion doc TBD

* **Highlight** indicates committee action needed.

Agenda

- Approve notes from the November 18 call
- TSPP (2016 Sunset) (ZS) - Discuss proposal and vote
- Glycerin (TF) - Discuss proposal and vote
- WAF (HA) - Discuss proposal. Vote on next call
- Activated charcoal (2016 Sunset) (HA) - Discuss and vote if ready
- Boiler Amines (2016 Sunsets) (JT/TF) - Discuss reviews for second posting
- 2017 sunset items that will have no TR - Discuss
- Adjourn

Discussion

- **Notes** from November 18, 2014 were approved with no changes. MA will adjust the work table by moving the 2017 sunset materials to the work agenda above.

- **TSPP.** The lead reviewer summarized the information from the TR and materials checklist. The TR indicated that there are many alternatives to this material and the Board received very little public comment for the fall 2014 meeting. Therefore, the HS proposes removal. The HS decided to make a motion and vote and will leave the voting open for the members who could not be on the call.

Motion to remove Tetrasodium Pyrophosphate from 205.605(b) of the National List based on the following criteria in the Organic Foods Production Act (OFPA) and/or 7 CFR 205.600(b): Availability of non-synthetic alternative protein sources [§ 205.600(b)(1)], alternative substances in use [§6518(m)(6)], lack of essentiality for handling organic products [§205.600(b)(6)], inconsistent with organic handling [§6517(c)(1)(A)(iii); 6517(c)(2)(A)(ii)]

Motion by: ZS

Seconded by: TF

No additional discussion

Yes: 6

No: 0

Absent: 2

Abstain: 0

Recuse: 0

Note: The HS will leave the vote open through Friday, Dec 5 for those absentee members.

ABS note Dec 15: Two members voted via email and the notes were updated to reflect their votes

- **Glycerin (TF)** - Members edited language, including the location of the annotation in the motion, in the current version of the proposal and will circulate the updated versions so members can vote.

Classification Motion:

Motion to classify glycerin as agricultural when derived from agricultural source material and processed using biological or mechanical/physical methods described under 205.270(a)

Motion by: TF

Seconded by: ZS

Further discussion: no

Yes: 6

No: 0

Absent: 2

Abstain: 0

Recuse: 0

Note: The HS will leave the vote open through Friday, Dec 5 for those absentee members.

ABS note Dec 15: Two members voted via email and the notes were updated to reflect their votes

Motion 1:

Motion to list glycerin, produced from agricultural source materials and processed using biological or mechanical/physical methods as described under 205.270(a), at 205.606

Motion by: TF

Seconded by: ZS

Further discussion: no

Yes: 6

No: 0
Absent: 2
Abstain: 0
Recuse: 0

Note: The HS will leave the vote open through Friday, Dec 5 for those absentee members.

ABS note Dec 15: Two members voted via email and the notes were updated to reflect their votes

Motion 2:

Motion to remove glycerin – produced by hydrolysis of fats and oils – from 205.605(b)

Motion by: TF

Seconded by: ZS

Further discussion: no

Yes: 6

No: 0

Absent: 2

Abstain: 0

Recuse: 0

Note: The HS will leave the vote open through Friday, Dec 5 for those absentee members.

ABS note Dec 15: Two members voted via email and the notes were updated to reflect their votes

- Whole Algal Flour (WAF) (HA) - Members discussed the proposal, which was returned to the Subcommittee from the fall 2014 meeting. The petitioner submitted additional information at the fall 2014 meeting that the HS subsequently used for further deliberation. The lead summarized the new information and will incorporate it into the proposal. The revised proposal, including a possible reclassification of WAF, will be recirculated to the group prior to the next call and the vote will be scheduled for Dec 18.
- Activated charcoal (2016 Sunset) (HA) - Deferred to next call
- Boiler Amines (2016 Sunsets) (JT/TF) - Deferred to next call
- 2017 sunset items that will have no TR - Deferred to next call
- **The meeting was adjourned**

[Previous HS Notes](#)

Future Call Schedule

Nov 18, 2014 1:00 ET

Discuss Triethyl Citrate TR

Discuss Ammonium hydroxide proposal/checklist

Dec 2, 2014 1:00 ET

- TSPP (2016 Sunset) (ZS) - Discuss proposal and vote
- Glycerin (TF) - Discuss proposal and vote
- WAF (HA) - Discuss proposal. Vote on next call
- Activated charcoal (2016 Sunset) (HA) - Discuss and vote if ready - deferred to next call
- Boiler Amines (2016 Sunsets) (JT/TF)- Discuss reviews for second posting - deferred to next call
- 2017 sunset items that will have no TR – Discuss - deferred to next call

Dec 16, 2014 1:00 ET

- Activated charcoal (2016 Sunset) (HA) - Discuss and vote if ready
- Boiler Amines (2016 Sunsets) (JT/TF)- Discuss reviews for second posting
- WAF – Complete discussion of proposal and vote
- 2017 sunset items that will have no TR - Discuss
- LMalic Acid (2016 Sunset) (JD) - Discuss and vote
- SAPP (2016 Sunset) (JD) - Discuss and vote
- Paracetic Acid (2016 Sunset) (JFo) - Discuss and vote
- Ammonium Hydroxide (JR) - Vote on listing motion
- Microorganisms (ZS) - Discuss

Jan 6, 2015 1:00 ET

- Egg White Lysozyme (2016 Sunset) (TF) – Discuss review for second posting
- Microorganisms (2016 Sunset) (ZS) - Vote
- PGME (JR) - Discuss TR if it is available
- Triethyl Citrate (JR) - Discuss checklist/vote if ready

Jan 20, 2015 1:00 ET

- PGME vote if finished

Jan 27, 2015 1:00 ET - Additional call

- Triethyl Citrate - vote

Feb 3, 2015 1:00 ET - Move to Mon Feb 2?

Feb 17, 2015 1:00 ET

Feb 24, 2015 1:00 ET - Additional call

Mar 3, 2015 1:00 ET

Mar 17, 2015 1:00 ET

Apr 7, 2015 1:00 ET

Apr 21, 2015 1:00 ET

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Spring 2015 NOSB meeting - La Jolla, CA	Week of April 27 - 30

2017 Sunsets §205.605(a), §205.605(b) and 205.606 TR Requests

Summary: Spr 2015 Complete Review: Fall 2015

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Carnauba Wax	205.605	ZS	2014 TR	TAP for Fruit Waxes, 1996 (PDF) 2014 TR sent to HS 01 24 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015
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Enzymes	205.605(a)	JFo	Y Lmtd scope	Lmtd scope TR requested for ancillary substances approved by NOP 09 16 14		
Ferrous sulfate, Nutrient vitamins and minerals, Potassium chloride, Potassium iodide	205.605(b), 205.605(a)	TF	Y	TR Requested 08 15 14. One TR for vitamins		

Calcium carbonate, Calcium hydroxide, Magnesium carbonate, Magnesium chloride, Magnesium sulfate, Potassium acid tartrate, Potassium carbonate, Potassium citrate, Potassium phosphate, Sodium hydroxide, Sodium phosphates	205.605(a), 205.605(b)	JT	Y Lmtd scope	TR Requested 08 15 14. One TR for minerals		
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Absent: Jennifer Taylor (JT), John Foster, Vice Chair (JFo), Mac Stone (MS)

Staff: Michelle Arsenault (MA), Emily Brown Rosen (EBR)

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Glycerin CAS #(56-81-5)	Remove from 205.605(b)	TF	1995 TR 2013 TR	Petition sent to HS on 01 09 13. Sufficiency response due 03 11 13. TR sent to HS on 06 11 13. Sufficiency due 08 12 13. TR found suff 07 02 13. Proposal for fall 2014 returned to HS.	12 02 14. Vote finalized 12 05 14	Proposal Spr 2015

Petitioned Substances

Substance	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Polyalkylene glycol monobutyl ether PGME (PDF) (CAS # 9038-95-3) As a boiler water additive	205.605	JR	2013 TR	Petition sent to MS/HS 01 28 13. TR Requested 2 19 2013. Draft TR sent to HS 06 11 13. TR sufficiency response due 08 12 13. TR found sufficient 07 02 13. Discussion doc returned to HS for further review. Supplemental TR rqstd 05 20 14. Waiting for petitioner response before proceeding with updated TR. No response so HS will request Limtd Scope TR 09 02 14.		Proposal Spr 2015
Triethyl Citrate	205.605	JR	2014 TR	Petition sent to HS 03 04 14. Rqst for Q's or TR due 05 06 14. TR requested 04 16 14. TR in development (expected October 2014). TR sent to HS 11 06 14. Sufficiency due 01 06 15. TR found sufficient 11 20 14.		Proposal Spr 2015
Sodium Lactate	205.605	HA	Y	Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition. Due mid-September. No updated petition received.		TBD
Potassium Lactate	205.605	HA	Y	Request to add to workplan sent to HS 06 24 14. Awaiting possible revisions to petition. Due mid-September. No updated petition received.		TBD

2016 Sunsets § 205.605(a) and 205.606

Name	National List §	Contact	TR rqst?	Notes*	Vote	Meeting
Egg white lysozyme CAS # 9001-63-2	205.605(a)	TF	No new TR 2011 TR 2003 TAP	Final Sunset Recommendation on Egg White Lysozyme on 205.605b (PDF) Nov 2009.		Summary: Fall 2014 Review: Spr 2015

Microorganisms	205.605	ZS	2014 TR 2003 TAP	Final Sunset Recommendation on Microorganisms on 205.605b (PDF) Nov 2009. TR requested by NOP Aug 26 2013. TR sent to HS 01 23 14. TR suff due 03 25 14. TR found not sufficient. TR sent to HS 07 24 14. Suffic due 08 27 14. TR found sufficient 08 06 14		Summary: Fall 2014 Review: Spr 2015
Activated charcoal CAS #s 7440-44-0; 64365-11-3	205.605(b)	HA	No new TR 2002 TAP	Final Sunset Recommendation on Activated Charcoal on 205.605b (PDF) Nov 2009	12 16 14	Summary: Fall 2014 Review: Spr 2015
Peracetic acid CAS # 79-21-0	205.605(b)	JFø/TC	No new TR 2000 TAP	Final Sunset Recommendation on Peracetic Acid on 205.605b (PDF) Oct 2009		Summary: Fall 2014 Review: Spr 2015
Cyclohexylamine CAS # 108 -91-8	205.605(b)	JF/TF	2001 TAP No new TR	Final Sunset Recommendation on Cyclohexylamine on 205.605b (PDF) Nov 2009. TR determination: 01 17 14	12 16 14	Summary: Fall 2014 Review: Spr 2015
Diethylaminoethanol CAS # 100-37-8	205.605(b)	JF/TF	2001 TAP No new TR	Final Sunset Recommendation on Dethylaminoethanol on 205.605b (PDF) Nov 2009. TR determination: 01 17 14	12 16 14	Summary: Fall 2014 Review: Spr 2015
Octadecylamine CAS # 124-30-1	205.605(b)	TF	2001 TAP No new TR request	Final Sunset Recommendation on Octadecylamine on 205.605b (PDF) Nov. 2009	12 16 14	Summary: Fall 2014 Review: Spr 2015
L-Malic acid CAS # 97 -67-6).	205.605(a)	JÐ/AS	2003 TAP No new TR	Final Sunset Recommendation on L-Malic Acid on 205.605b (PDF) Nov 2009. TR determination: 01 17 14 Questions for posting	12 16 14	Summary: Fall 2014 Review: Spr 2015
Sodium acid pyrophosphate CAS # 7758-16-9 2009 Expanded use	205.605(b)	JÐ/LD	2001 TAP 2010 TR No New TR	Apr 2011 Subcomm recommendation April 2011 NOSB recommendation Final Sunset Recommendation on SAPP on 205.605b (PDF) Nov 2009.	12 16 14	Summary: Fall 2014 Review: Spr 2015

Tetrasodium pyrophosphate (TSPP) CAS # 7722-88-5	205.605(b)	ZS	2014 Lmtd Scope TR 2002 TR	Final Sunset Recommendation on TSPP on 205.605b (PDF) Nov 2009. Requested a limtd scope TR 01 12 14. Lmtd Scope TR sent to HS 06 11 14. TR sufficiency due 08 12 14. TR found sufficient 08 05 14	12 02 14. Vote completed 12 05 14	Summary: Fall 2014 Review: Spr 2015
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2017 Sunsets §205.605(a), §205.605(b) and 205.606 TR Requests (see table below)

Name	National List §	Contact	TR rqst?	Notes	Vote	Meeting
Yeast (2006) (PDF) Petition Supplement (2010) (PDF) Petition Memorandum (2010) (PDF)	205.605(a)	JFe/MS	2014 TR	NOP 5014 – Certification of Organic Yeast (PDF) TAP – Yeast, Autolysate, 1995 TAP – Yeast, Bakers, 1995 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 TAP – Yeast, Brewers, 1995 TAP – Yeast, Nutritional, 1995 TAP – Yeast, Smoked, 1995 TAP – Yeast Derivatives, Livestock Use, 2002 NOSB Formal Rec (2010) NOSB Committee Rec (2010) NOSB Committee Rec (2007) 2014 TR sent to HS 01 22 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015
Carnauba Wax	205.605(a)	ZS	2014 TR	TAP for Fruit Waxes, 1996 (PDF) 2014 TR sent to HS 01 24 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015
Orange Shellac	205.606	ZS	2014 TR	TAP, 2002 (PDF) 2014 TR sent to HS 01 27 14. TR sufficiency due July 15, 2014. TR found sufficient 06 03 14.		Summary: Spr 2015 Review: Fall 2015

Wood rosin	205.606	ZS	2014 TR	TR sent to HS on 01 24 14. Sufficiency due July 2014. TR found sufficient 06 03 14.	Summary: Spr 2015 Review: Fall 2015
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Other projects			
Name	Contact	Notes*	Meeting
Packaging substances used in organic food handling - including BPA	ZS	Submitted briefing paper to NOP 01 12 14. Waiting for feedback from NOP. Memo from NOP sent to HS 11 19 14	Discussion doc Fall 2015

* **Highlight** indicates committee action needed.

Agenda

- Approve notes from the December 2 call
- Activated charcoal (2016 Sunset) (HA) - Discuss and vote if ready
- Boiler Amines (2016 Sunsets) (JT/TF)- Discuss reviews for second posting
- WAF – Complete discussion of proposal and vote
- 2017 sunset items that will have no TR - Discuss
- LMalic Acid (2016 Sunset) (JD) - Discuss and vote
- SAPP (2016 Sunset) (JD) - Discuss and vote
- Paracetic Acid (2016 Sunset) (JFo) - Discuss and vote
- Ammonium Hydroxide (JR) - Vote on listing motion
- Microorganisms (ZS) - Discuss
- Research Priorities Discussion
- Adjourn

Discussion

- **Notes** from December 2 call were approved with no changes
- **Transition plan:** The HS Chair discussed the plan for handing off materials as 4 members rotate off and the new members begin their terms. JFo will hand off Peracetic Acid, Yeast, and several 2017 Sunset materials. JD will pass along many 2017 sunsets including various sanitizers and misc. ingredients. The HS Chair asked that the members email him their preferred dates for discussing their Sunset materials.
- TF volunteered to review alginates and alginic acid.
- **Activated charcoal (2016 Sunset)** (HA) - The lead summarized the material use and public comments from the first posting in fall 2014. The material is in use, is benign, and has no ancillary substances. The group agreed to add the following language, which was included in the fall 2014 posting, to all sunset reviews as a way to indicate the actual intent for the material: *The Handling Subcommittee believes that the full Board should have the opportunity to complete the review of*

each sunset material by voting. The NOP has stated that to do this a motion to remove should be brought from the Subcommittee for each substance. If the Subcommittee's motion to remove fails to receive a majority, the review will still be put forward to the full Board. The motion to remove is voted by the full Board and needs to receive a 2/3 majority to recommend removal.

The HS proceeded to a vote.

Vote:

Motion to remove activated charcoal (CAS #s 7440-44-0; 64365-11-3) from §205.605(b).

Motion by: HA

Seconded: TF

Additional discussion: none

Yes: 0 No: 5 Abstain: 0 Absent: 3 Recuse: 0

- **Boiler Amines (2016 Sunsets)** (JT/TF) - The lead reviewer summarized the materials and relayed the information gleaned from the fall 2014 public comments. Based on failure to meet the OFPA criteria, comments urging the NOSB to remove these materials, and the fact that most of the industry is moving away from use, the HS supports removal of the boiler amines from the National List.

Vote:

Motion to remove the boiler amines, Cyclohexylamine (CAS # 108 -91-8), Diethylaminoethanol (CAS # 100-37-8), and Octadecylamine (CAS # 124-30-1), all three with the annotation "for use only as a boiler water additive for packaging sterilization", from section 205.605(b)

Motion by: TR

Seconded by: JR

Additional discussion: The NOP noted that if public comment raises any concerns about implementation time, the program can determine the appropriate length during the rulemaking stage.

Yes: 5 No: 0 Abstain: 0 Absent: 3 Recuse: 0

- **WAF** - Complete discussion of proposal and vote - deferred to next call.
- **2017 sunset items without new TRs** - As noted above, the Chair asked that the members indicate when they would be prepared to discuss the 2017 sunset materials.
- **L-Malic Acid (2016 Sunset)** (JD) - The lead reviewer summarized the comments from the last meeting and the group proceeded to a vote.

VOTE:

Motion to remove L-Malic acid (CAS # 97-67-6) from section 205.605(a)

Motion by: JD

Seconded by: TF

Additional Discussion: The group agreed to add the language regarding sunset to this review, as discussed above. Yes: 0 No: 5 Abstain: 0 Absent: 3 Recuse: 0

SAPP (2016 Sunset) (JD) - The lead reviewer noted that the comments for SAPP were very similar to those for L-Malic acid. The first posting for this material was fall 2014 and it gleaned focused comments from a certifier who had clients currently using this material, as well as from the original petitioner. The NOP noted that the lead reviewer provided helpful background information by including a summary and response to comments. The group moved to a vote.

Vote:

Motion to remove Sodium acid pyrophosphate (SAPP) (CAS # 7758-16-9) -for use only as a leavening agent, from 205.605(b)

Motion by: JD

Seconded by: TF

Additional discussion: none

Yes: 0 No: 5 Abstain: 0 Absent: 3 Recuse: 0

- Peracetic Acid (2016 Sunset) (JFo) - Discussion and vote deferred to January 27 call. Will be transferred to TC and JR will help with review.
- Ammonium Hydroxide (JR) - Petitioned material. The HS discussed ammonium hydroxide, deemed the petition sufficient, and voted on classification on Nov 18, 2014. In 2013 the CS was not in support of adding this material to the National List (NL), however subsequent public comment indicated that Ammonium Hydroxide could be used as a less toxic alternative to other boiler volatile amines.

Motion to add Ammonium Hydroxide to Section 205.605

Motion by: JR

Seconded by: TF

Additional discussion: The group discussed various public comments from the fall 2014 meeting.

Yes: 0 No: 5 Abstain: 0 Absent: 3 Recuse: 0

- Microorganisms (ZS) - Discussion deferred to next call
- Research Priorities - Discussion deferred to next call
- **The meeting was adjourned**

[Previous HS Notes](#)

Future Call Schedule

Dec 2, 2014 1:00 ET

- TSP (2016 Sunset) (ZS) - Discuss proposal and vote
- Glycerin (TF) - Discuss proposal and vote
- WAF (HA) - Discuss proposal. Vote on next call
- Activated charcoal (2016 Sunset) (HA) - Discuss and vote if ready - deferred to next call
- Boiler Amines (2016 Sunsets) (JT/TF)- Discuss reviews for second posting - deferred to next call
- 2017 sunset items that will have no TR – Discuss - deferred to next call

Dec 16, 2014 1:00 ET

- Activated charcoal (2016 Sunset) (HA) - Discuss and vote if ready
- Boiler Amines (2016 Sunsets) (JT/TF)- Discuss reviews for second posting
- WAF – Complete discussion of proposal and vote
- 2017 sunset items that will have no TR - Discuss
- LMalic Acid (2016 Sunset) (JD) - Discuss and vote
- SAPP (2016 Sunset) (JD) - Discuss and vote
- Paracetic Acid (2016 Sunset) (JFo) - Discuss and vote
- Ammonium Hydroxide (JR) - Vote on listing motion
- Microorganisms (ZS) - Discuss

Jan 6, 2015 1:00 ET

- Microorganisms (ZS) - Discuss
- WAF - Complete discussion of proposal and vote
- Casings (JR) - discuss summary/questions if any
- Fish Oil (JR) - discuss summary/questions if any
- Egg White Lysozyme (2016 Sunset) (TF) - Discuss review for second posting
- Microorganisms (2016 Sunset) (ZS) - Vote
- PGME (JR) - Discuss TR if it is available
- Triethyl Citrate (JR) - Discuss checklist/vote if ready
- JD will discuss and transfer his 2017 Sunset Materials (Sanitizers and Misc Ingredients)
- Research Priorities

Jan 20, 2015 1:00 ET

- PGME (JR) vote if finished
- 2017 Sunset - Colors (JR) - discuss summary/questions if any
- 2017 Sunset (JR) - Filtering Aids: Attapulgite, Bentonite, Diatomaceous earth, Kaolin, Perlite, Glycerin
- 2017 Sunset (JR) – Drying Agents: Diglycerides, Magnesium stearate, Monoglycerides
- 2017 Sunset (JR) - Flavors
- 2017 Sunset - (HA) Leavening Agents: Sodium bicarbonate, Sodium carbonate, Ammonium bicarbonate, Ammonium carbonate, Calcium phosphate dibasic, Calcium phosphate monobasic, Calcium phosphate tribasic

Jan 27, 2015 1:00 ET - Additional call

- Paracetic Acid (2016 Sunset) (TC/JR) - Discuss and vote
- Triethyl Citrate (JR)- vote
- 2017 Sunsets - (TF) - Alginic acid, Alginates,
- 2017 Sunsets - (TF) - Vitamins&Mins: Calcium chloride, Potassium chloride, Potassium iodide, Ascorbic acid, Ferrous sulfate, Nutrient vitamins and minerals,
- 2017 Sunsets - (TF) - Tocopherols
- 2017 Sunsets (MS) - Yeast - discuss TR and summary/questions if any

Feb 2, 2015 1:00 ET - Moved from Feb 3

- 2017 sunsets (all 205.606 materials) (ZS) - discuss summary/questions if any
- 2017 sunsets (MS) - Minerals: Calcium carbonate, Magnesium sulfate, Calcium hydroxide, Magnesium carbonate, Magnesium chloride, Potassium acid tartrate, Potassium carbonate, Potassium citrate, Potassium phosphate, Sodium hydroxide, Sodium phosphates - discuss summary/questions if any

Feb 17, 2015 1:00 ET

- 2017 sunsets (LD) – Gases: Nitrogen, Oxygen, Carbon dioxide, Ethylene, Enzymes - discuss summary/questions if any
- 2017 sunsets (AS) - Food Acids: Citric acid, Lactic acid, Calcium citrate, Sodium citrate
- 2017 sunsets (TC) – Dairy: Fructooligosaccharides, Inulin-oligofructose enriched, Whey protein concentrate, Dairy cultures

Feb 24, 2015 1:00 ET - Additional call

Mar 3, 2015 1:00 ET

Mar 17, 2015 1:00 ET

BPA - discuss draft discussion doc

Apr 7, 2015 1:00 ET

Apr 21, 2015 1:00 ET

Spring 2015 Milestones	Target date
NOSB Training	Feb 4-5, 2015
NOP - Complete Spring 2015 NOSB meeting tentative agenda	Feb 7, 2015
NOSB - Spring 2015 proposals due to NOP	Feb 25, 2015
NOP - Post proposals, Publish FRN, Open public comment	Mar 9, 2015
Discuss work agendas on ES call	Mar 13, 2015
Public comment closes	Apr 6, 2015
Work agendas finalized on ES call (last call before spring mtg)	Apr 10, 2015
NOP - Send compiled public comments to NOSB	Apr 13, 2015
Spring 2015 NOSB meeting - La Jolla, CA	Week of April 27 - 30

2017 Sunsets §205.605(a), §205.605(b) and 205.606 TR Requests						
Summary: Spr 2015 Complete Review: Fall 2015						
Name	National List §	Contact	TR rqst?	Notes	Vote	Meeting
(b) Alginates (a) Alginic acid	205.605	TF	1995 TR Y	Combined TR Requested 08 15 14. TR Expected Jan/Feb 2015		
Arabic gum, Carob bean gum, Guar gum, Locust bean gum	205.606	ZS	1995 Y Lmtd Scope	Gums. Combined TR		
Colors	205.606	JR	Y	TR Requested 08 15 14. All colors (17 total). TR Expected Jan/Feb 2015		
(b) Calcium citrate (a) Citric acid, (a) Lactic acid, (b) Sodium citrate	205.605	JF/AS	1995 Y	TR Requested 08 15 14. Food Acids + salts. 2 TRs: One for citric acid and its salts, and one for lactic acid and its salts. Look at ancillary substances. TR Expected Jan/Feb 2015		

Dairy Additives Fructooligosaccharides, Inulin-oligofructose enriched, Whey protein concentrate	205.606	J Fe/TC	Y	Dairy additives. TR Requested 08 15 14. Combined TR. TR Expected Jan/Feb 2015		
Dairy Cultures	205.605(a)	J Fe/TC	1995 Y	TR for ancillary substances will address this		
Diglycerides, Monoglycerides	205.605(b)	JR	1995 Y Lmtd scope	Lmtd scope TR Requested 08 15 14. Combined. TR Expected Jan/Feb 2015		
Enzymes	205.605(a)	J Fe/LD	Y Lmtd scope	Lmtd scope TR requested for ancillary substances approved by NOP 09 16 14. TR Expected Feb 2015		
(b) Ferrous sulfate (b) Nutrient vitamins and minerals, (a) Potassium chloride (a) Potassium iodide	205.605(b)	TF	Y	TR Requested 08 15 14. One TR for vitamins. TR Expected Jan/Feb 2015		
Calcium carbonate, Calcium hydroxide, Magnesium carbonate, Magnesium chloride, Magnesium sulfate, Potassium acid tartrate, Potassium carbonate, Potassium citrate, Potassium phosphate, Sodium hydroxide, Sodium phosphates	205.605(a), 205.605(b)	J /MS	Y Lmtd scope	TR Requested 08 15 14. One TR for minerals. NO TR contracted		
Pectin (non-amidated forms only)	205.606	ZS	Y Lmtd scope	Lmtd scope TR requested for ancillary substances approved by NOP 09 16 14. TR Expected Feb 2015		
Fish oil	205.606	JR	Y	TR Requested 08 15 14. TR Expected Jan/Feb 2015		

Tocopherols	205.605(b)	TF	Y Lmtd Scope	Lmtd scope TR Requested 08 15 14. TR Expected Jan/Feb 2015		
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2017 Sunsets §205.605(a), §205.605(b) and 205.606 No TRs
Summary: Spr 2015 Complete Review: Fall 2015

Attapulgit	205.605(a)	JR	2010	FILTERING AGENT		
Bentonite	205.605(a)	JR	1995	FILTERING AGENT		
Calcium chloride	205.605(a)	TF		VITAMINS & MINERALS		
Diatomaceous earth	205.605(a)	JR	1995	FILTERING AGENT		
Flavors	205.605(a)	JR	2005			
Kaolin	205.605(a)	JR	1995	FILTERING AGENT		
Perlite	205.605(a)	JR	1996	FILTERING AGENT		
Ammon bicarbonate, Ammon carbonate, Calcium phosphate (monobasic, dibasic, tribasic), Sodium bicarbonate, Sodium carbonate	205.605(b) 205.605(a)	HA	N	Leavening agents		
Carbon dioxide, Ethylene, Nitrogen, Oxygen	205.605(b) 205.605(a)	¶/LD	Y	Gases		
Ascorbic acid	205.605(b)	TF	1995	VITAMINS & MINERALS		
Acidified sodium chlorite	205.605(b)	JD/AS	2008	SANITIZERS		
Calcium hypochlorite	205.605(b)	JD/AS	2006	SANITIZERS		
Chlorine dioxide	205.605(b)	JD/AS	2006	SANITIZERS		
Phosphoric acid	205.605(b)	JD/AS		SANITIZERS		
Sodium hypochlorite	205.605(b)	JD/AS	2006	SANITIZERS		
Hydrogen peroxide	205.605(b)	¶D/AS		SANITIZERS		
Ozone	205.605(b)	JD/AS		SANITIZERS		
Glycerin	205.605(b)	JR	2013	FILTERING AGENT		
Magnesium stearate	205.605(b)	JR	1995	DRYING		
Sulfur dioxide	205.605(b)	JD/TC	2011	PRESERVATIVES, THICKENERS		
Xanthan gum	205.605(b)	ZS	Y			
Casings	205.606	JR				
Celery powder	205.606	JD/TC	None	MISC. INGREDIENTS		
Chia (Salvia hispanica L.)	205.606	JD/TC	None	MISC. INGREDIENTS		
Dillweed oil	205.606	JD/TC	None	MISC. INGREDIENTS		

