Calaveras Dam Replacement Project
Air Monitoring Station P8
Total Asbestos

Legend

— P8 Trigger Level
— P8 Quarter Average
■ Result

Trigger Level
Concentration Resulting in
Work Practice Alteration
Quarter Average
Station Average from
January 2012 to March 2012
Result
24-hr Average Asbestos
Concentration
Concentration (s/cc)
Asbestos Structures per
Cubic Centimeter of Air

**Calaveras Dam Replacement Project
Air Monitoring Station P8
Amphibole Asbestos**

Legend

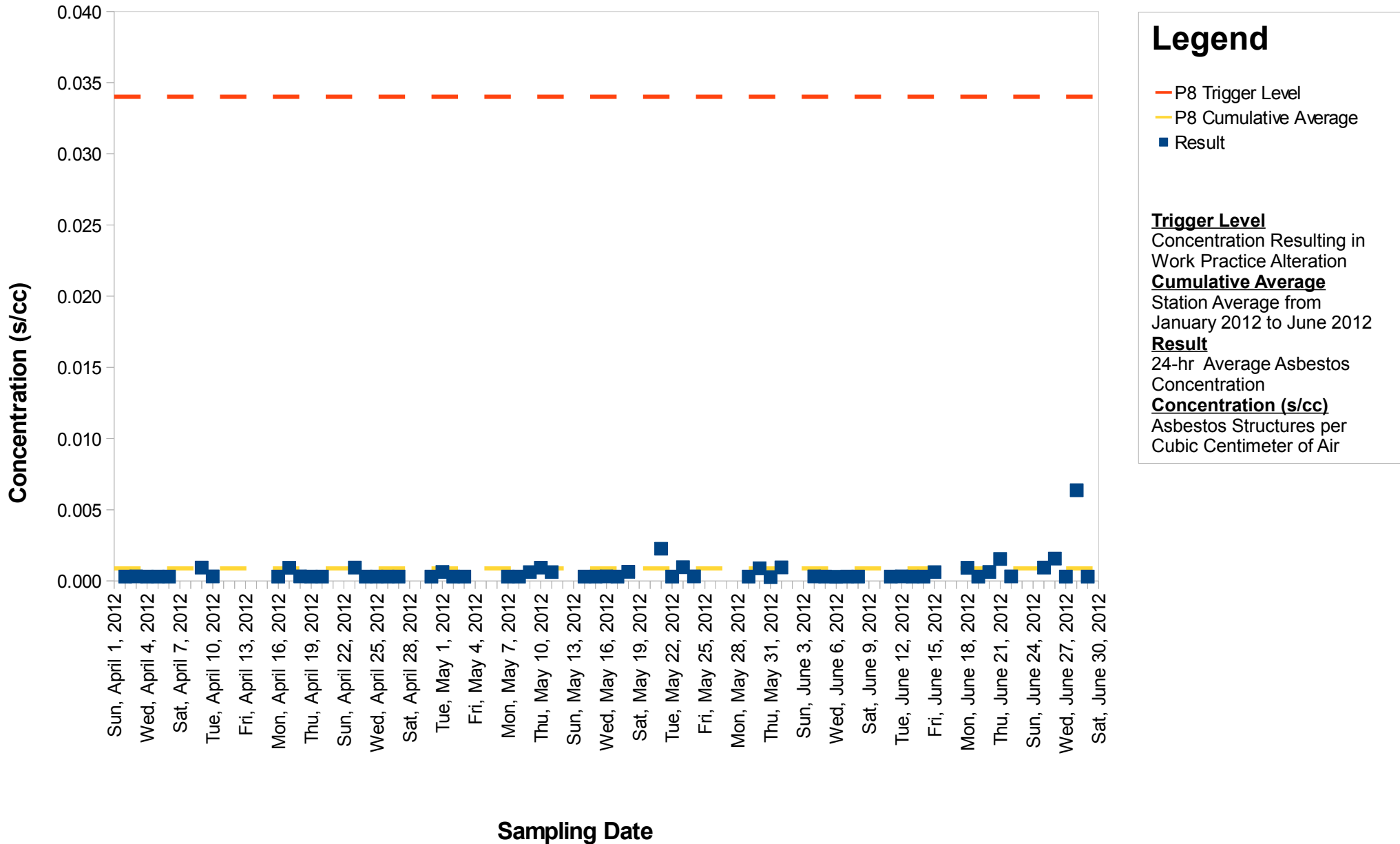— P8 Trigger Level
— P8 Quarter Average
■ Result

Trigger Level
Concentration Resulting in Work Practice Alteration
Quarter Average
Station Average from January 2012 to March 2012
Result
24-hr Average Asbestos Concentration
Concentration (s/cc)
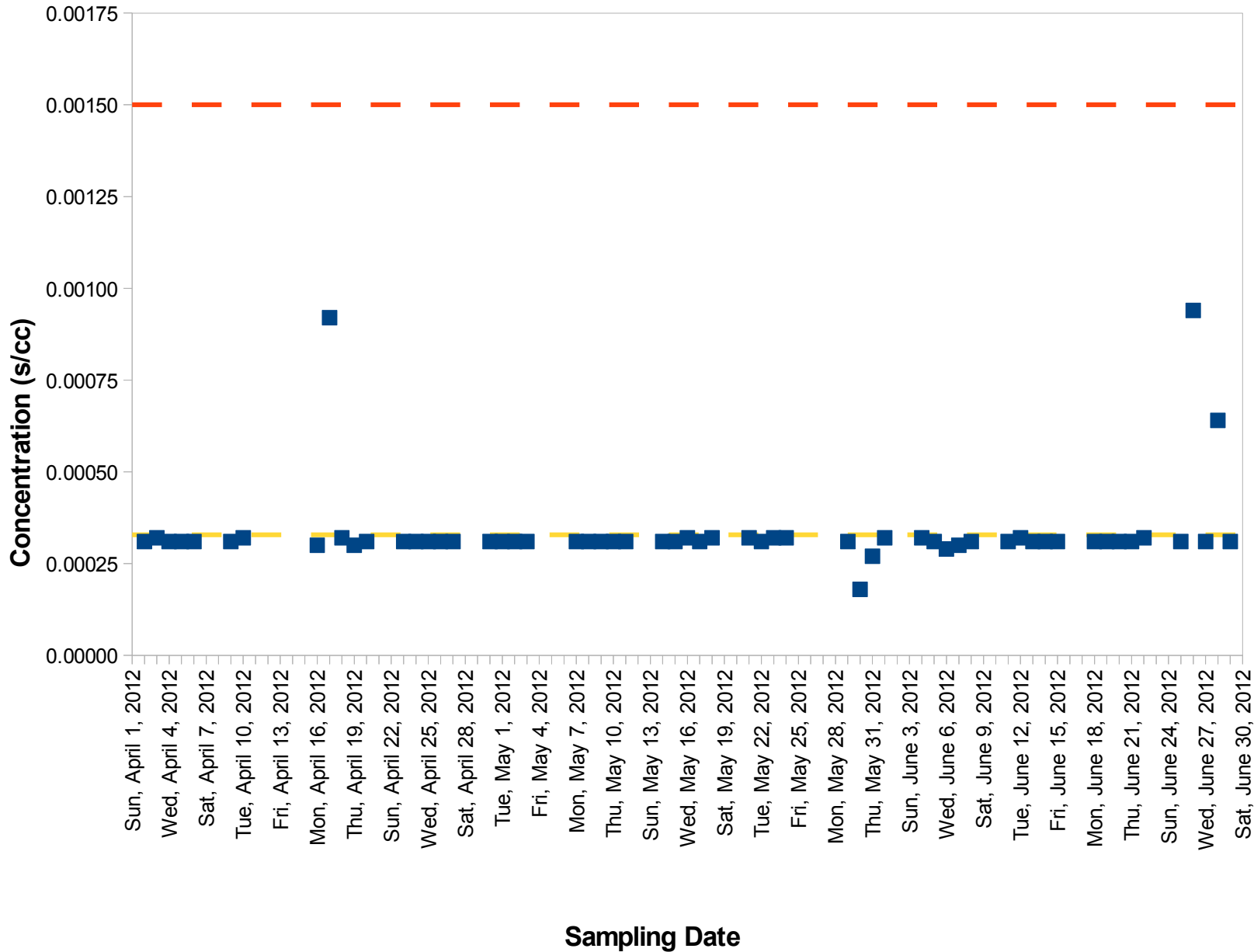Asbestos Structures per Cubic Centimeter of Air

Concentration (s/cc)

Sampling Date

Calaveras Dam Replacement Project
Air Monitoring Station P8
Total Asbestos

Concentration (s/cc) (y-axis)

Sampling Date (x-axis)

Legend

— P8 Trigger Level
— P8 Cumulative Average
■ Result

Trigger Level
Concentration Resulting in Work Practice Alteration
Cumulative Average
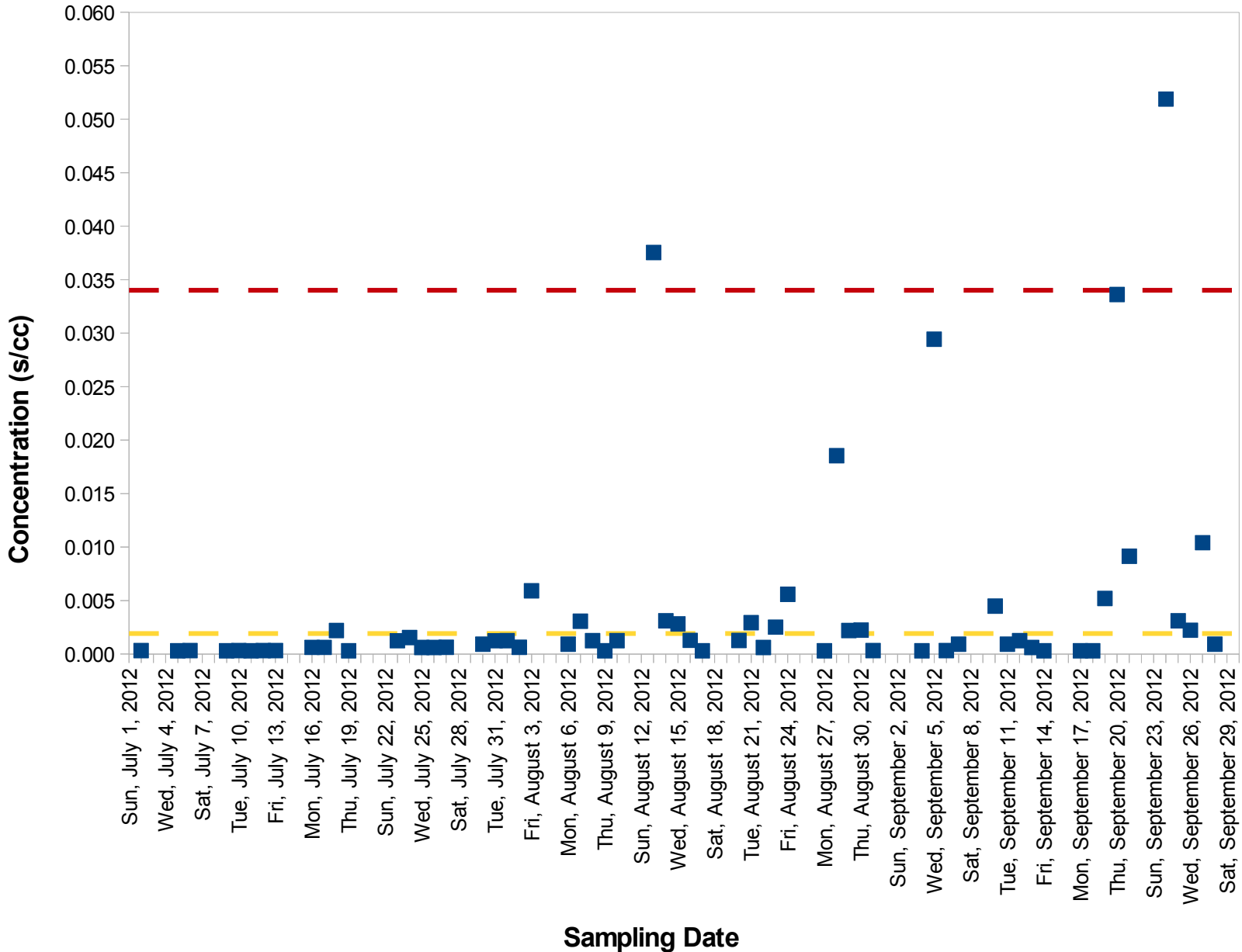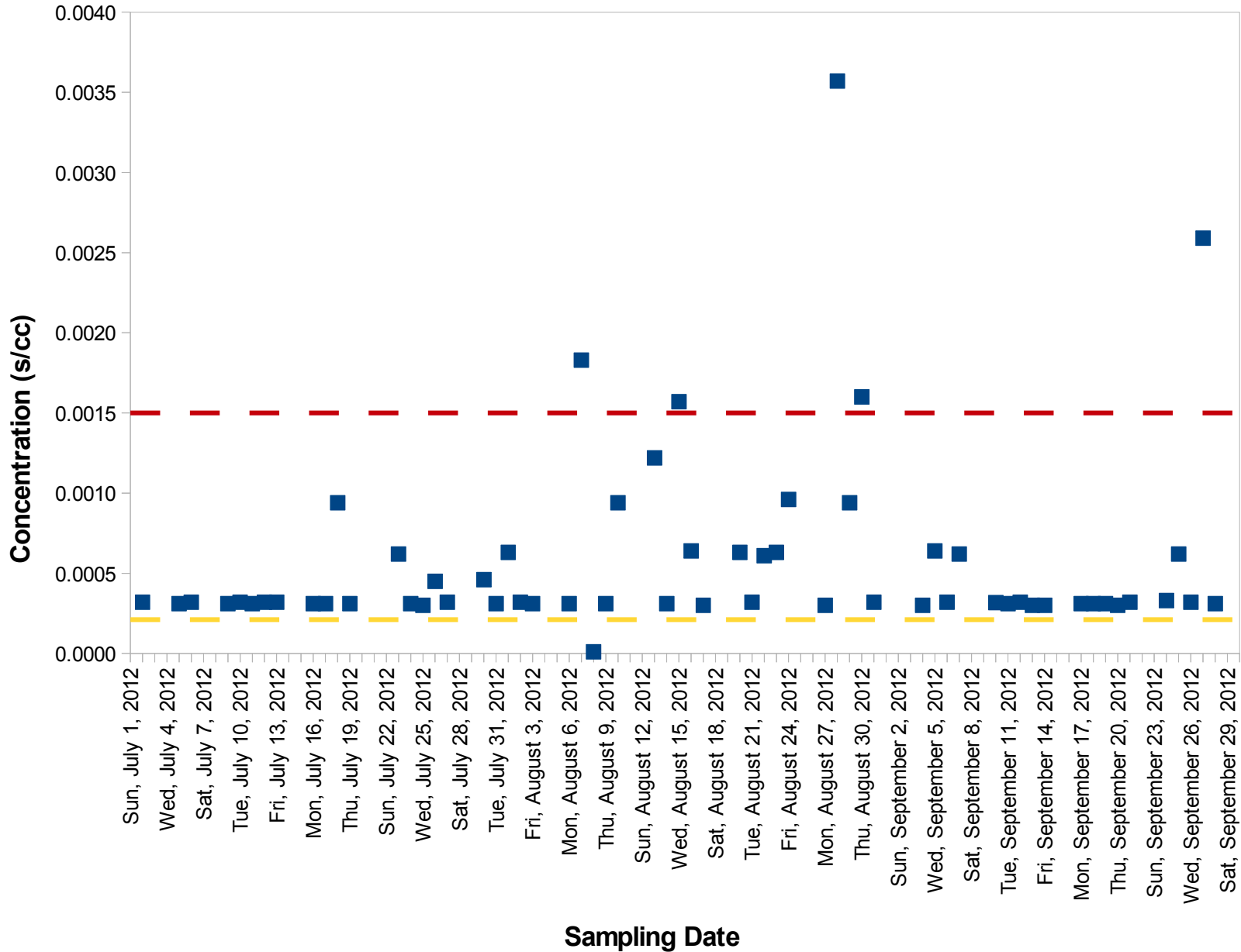Station Average from January 2012 to June 2012
Result
24-hr Average Asbestos Concentration
Concentration (s/cc)
Asbestos Structures per Cubic Centimeter of Air

Calaveras Dam Replacement Project
Air Monitoring Station P8
Amphibole Asbestos

Calaveras Dam Replacement Project
Air Monitoring Station P8
Total Asbestos

Legend

— P8 Trigger Level
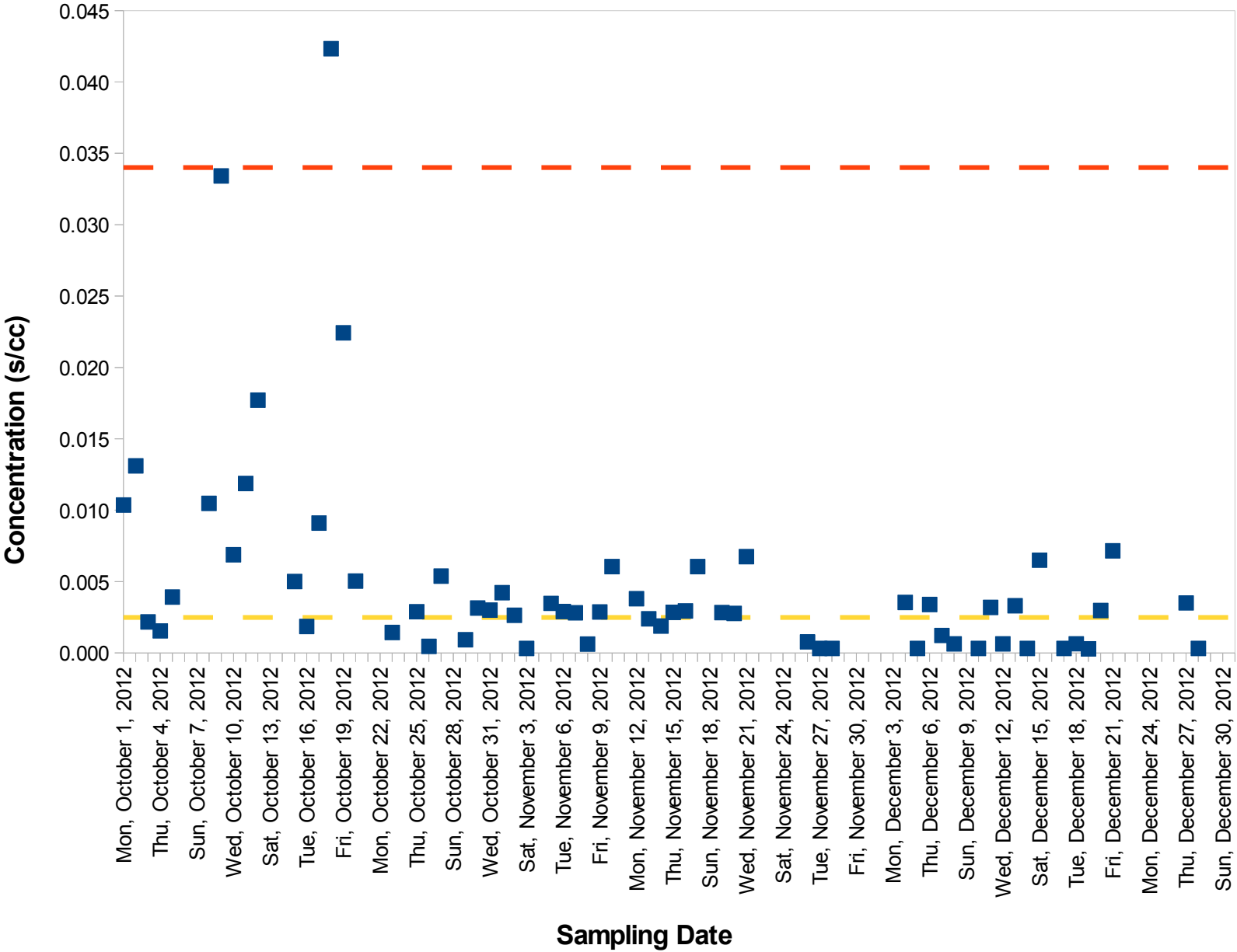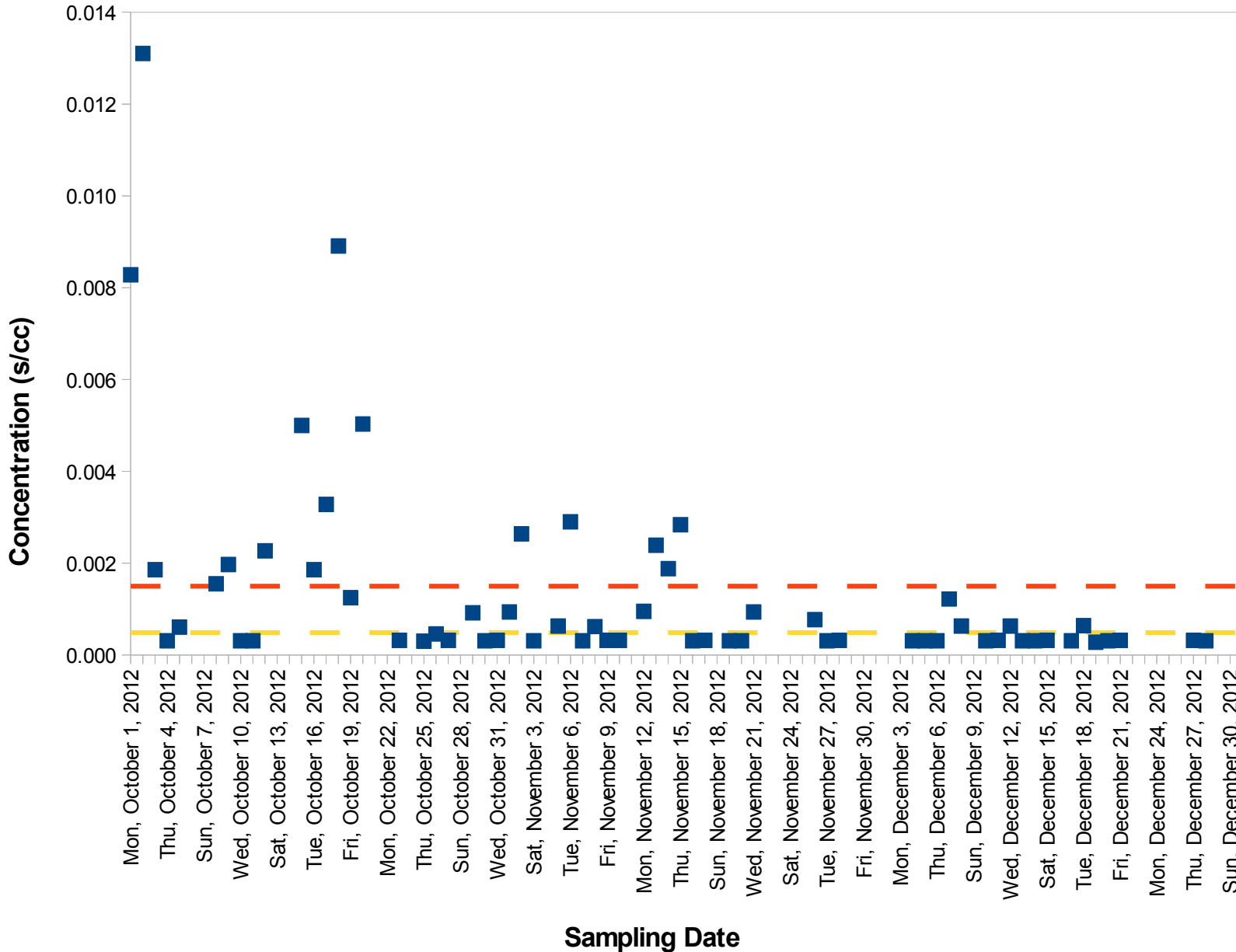— P8 Cumulative Average
■ Result

Trigger Level
Concentration Resulting in Work Practice Alteration
Cumulative Average
Station Average from January 2012 to September 2012
Result
24-hr Average Asbestos Concentration
Concentration (s/cc)
Asbestos Structures per Cubic Centimeter of Air

Concentration (s/cc)

Sampling Date

**Calaveras Dam Replacement Project
Air Monitoring Station P8
Amphibole Asbestos**

Legend

— P8 Trigger Level
— P8 Cumulative Average
■ Result

Trigger Level
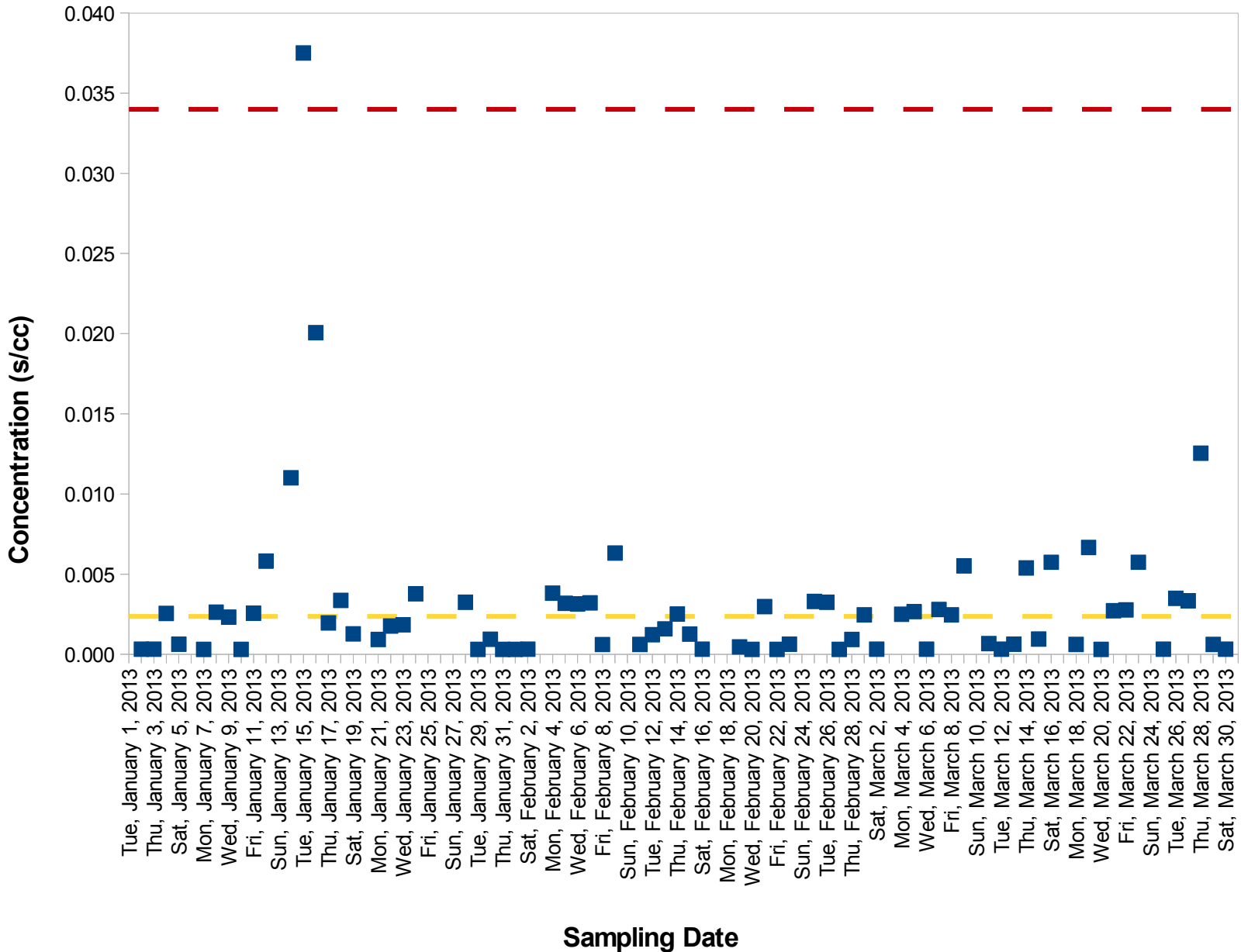Concentration Resulting in Work Practice Alteration
Cumulative Average
Station Average from January 2012 to September 2012
Result
24-hr Average Asbestos Concentration
Concentration (s/cc)
Asbestos Structures per Cubic Centimeter of Air

X-axis: Sampling Date
Y-axis: Concentration (s/cc)

Calaveras Dam Replacement Project
Air Monitoring Station P8
Total Asbestos

Legend

— P8 Trigger Level
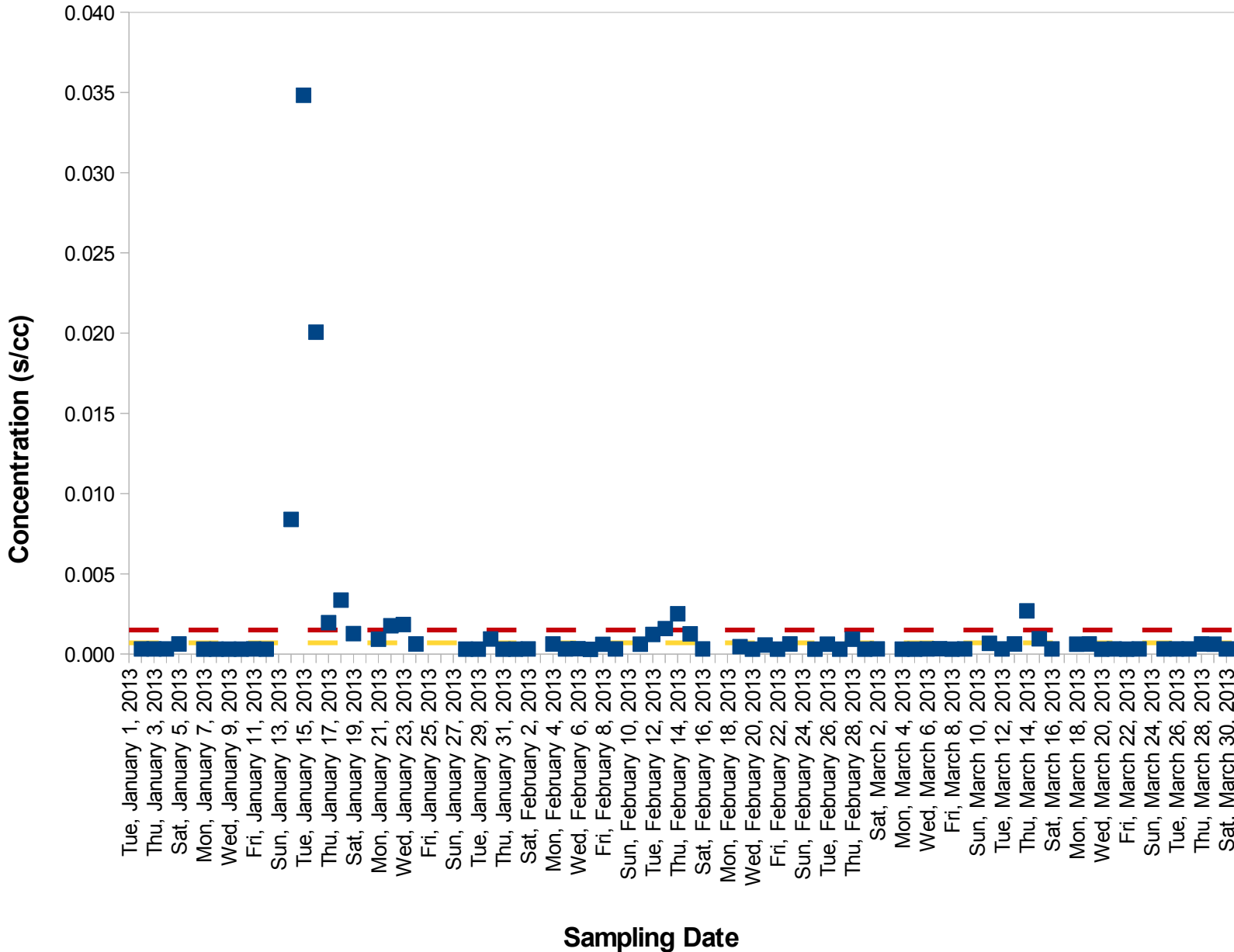— P8 Cumulative Average
■ Result

Trigger Level
Concentration Resulting in
Work Practice Alteration
Cumulative Average
Station Average from
January 2012 to December
2012
Result
24-hr Average Asbestos
Concentration
Concentration (s/cc)
Asbestos Structures per
Cubic Centimeter of Air

Calaveras Dam Replacement Project
Air Monitoring Station P8
Amphibole Asbestos

Legend

— P8 Trigger Level
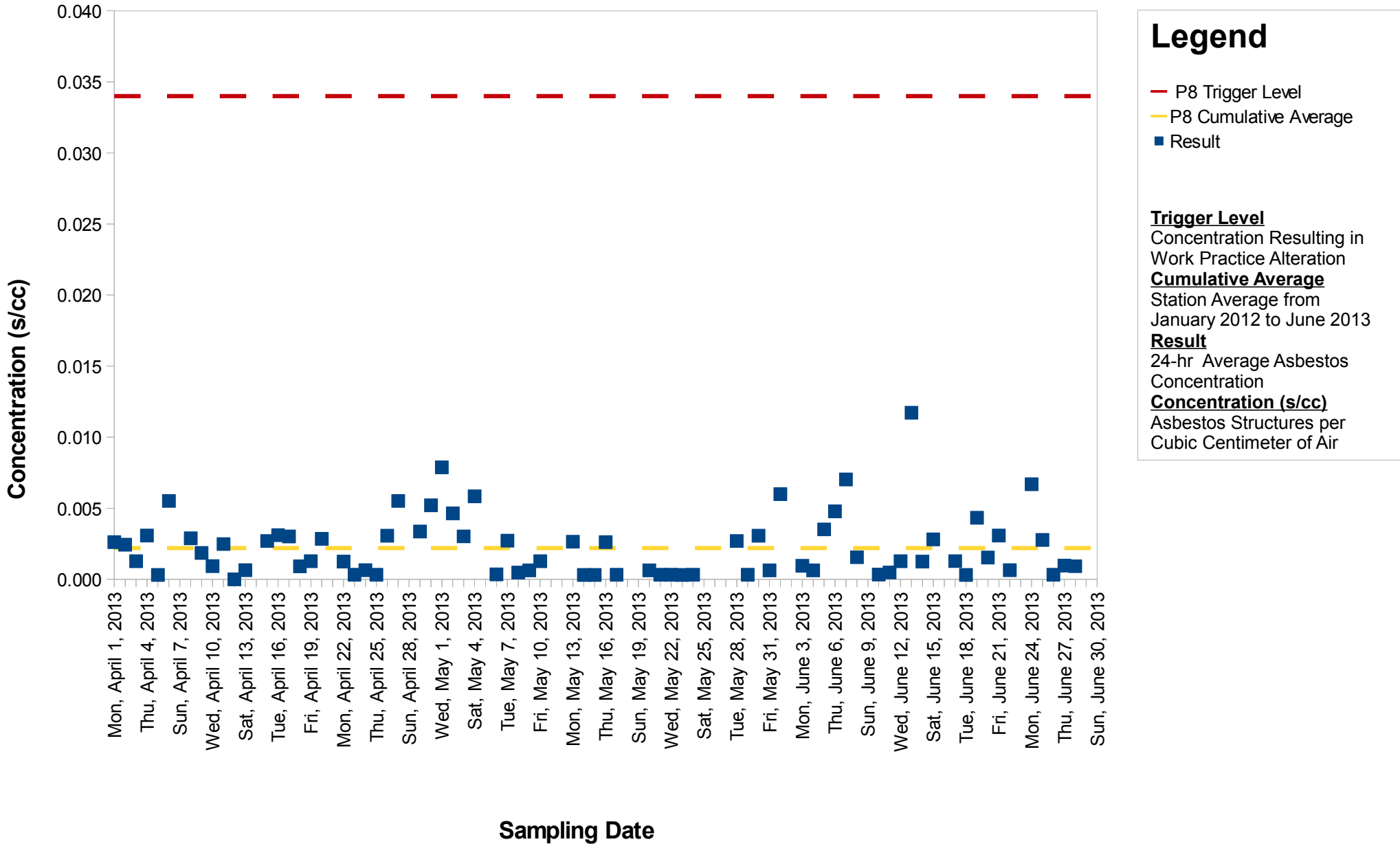— P8 Cumulative Average
■ Result

Trigger Level
Concentration Resulting in
Work Practice Alteration
Cumulative Average
Station Average from
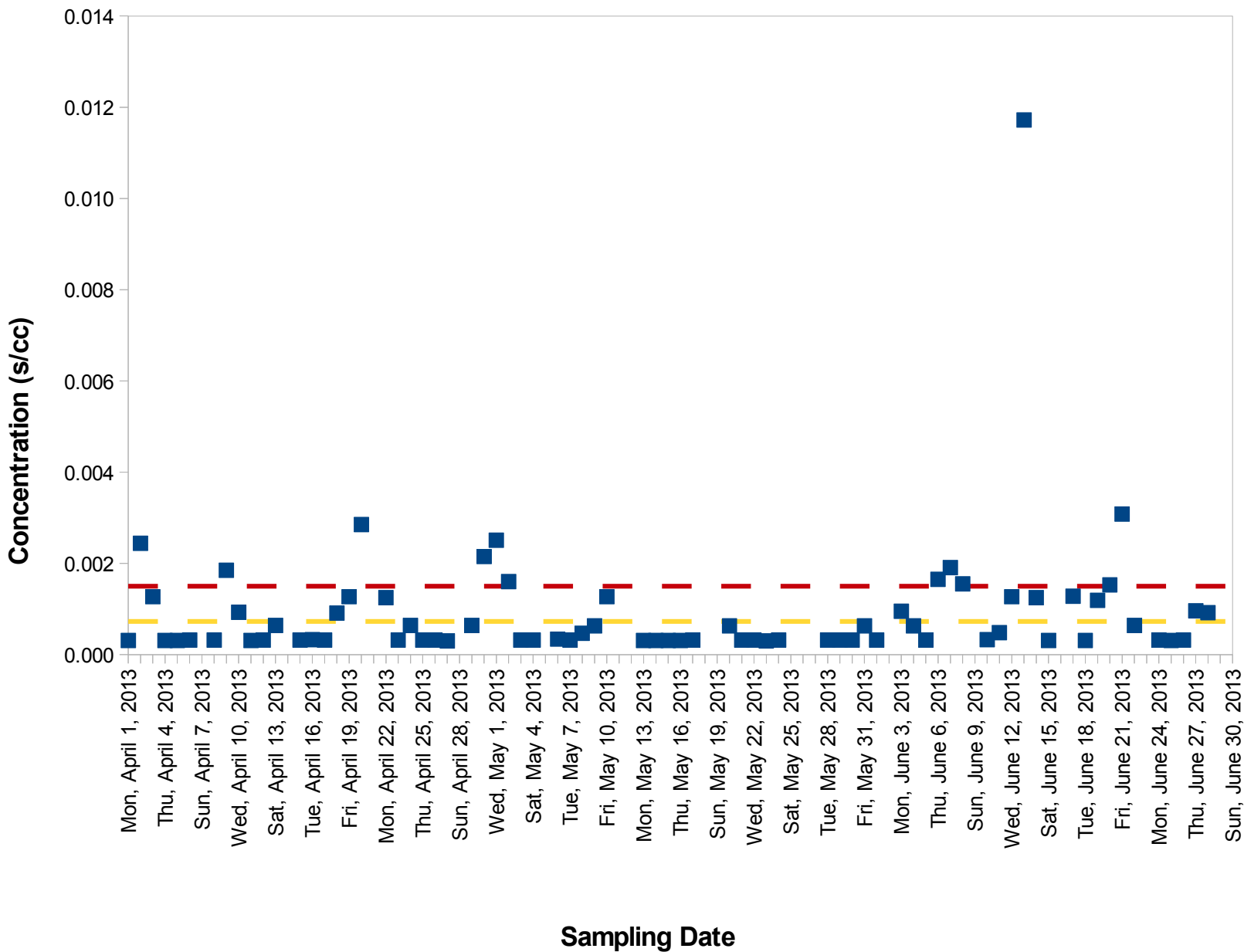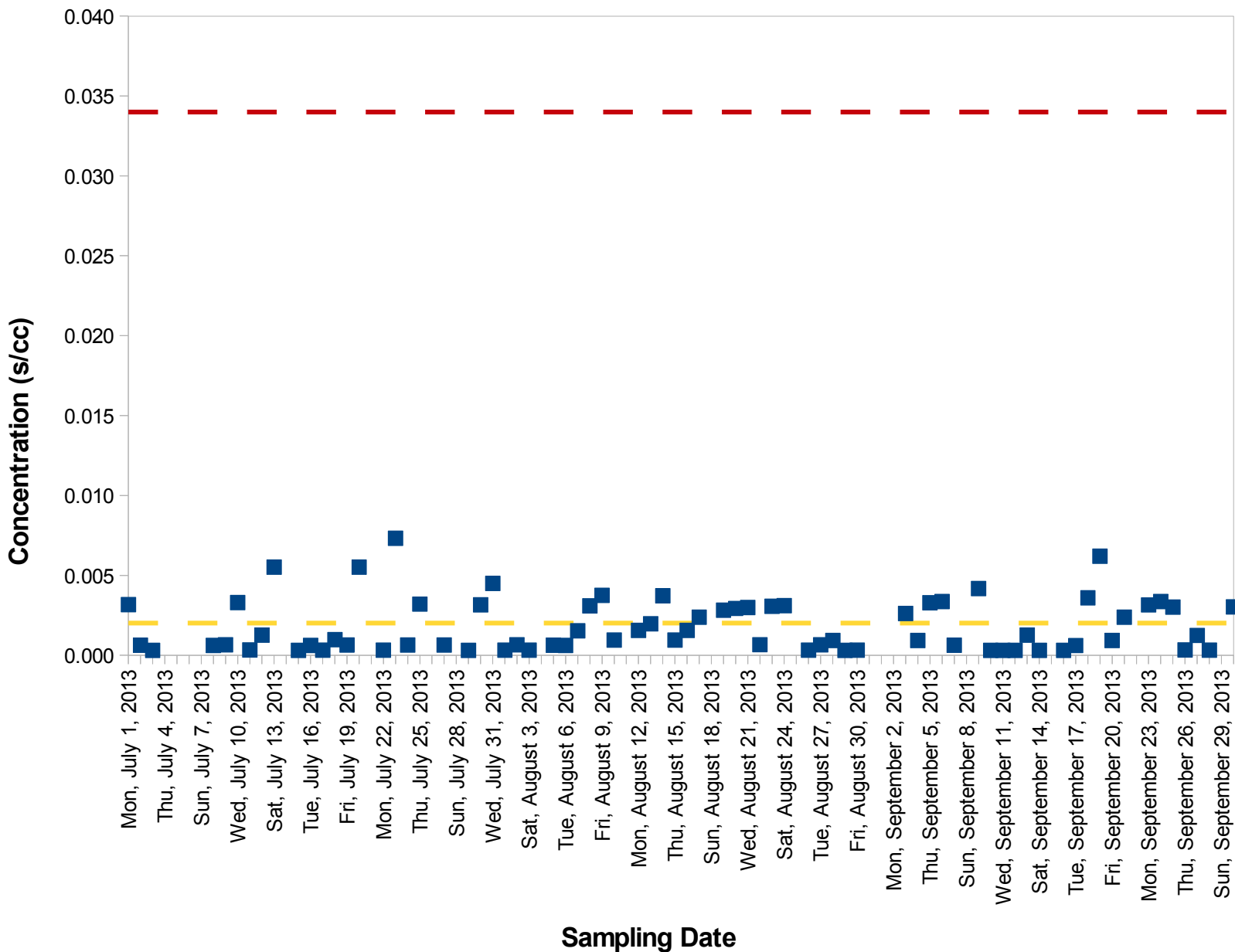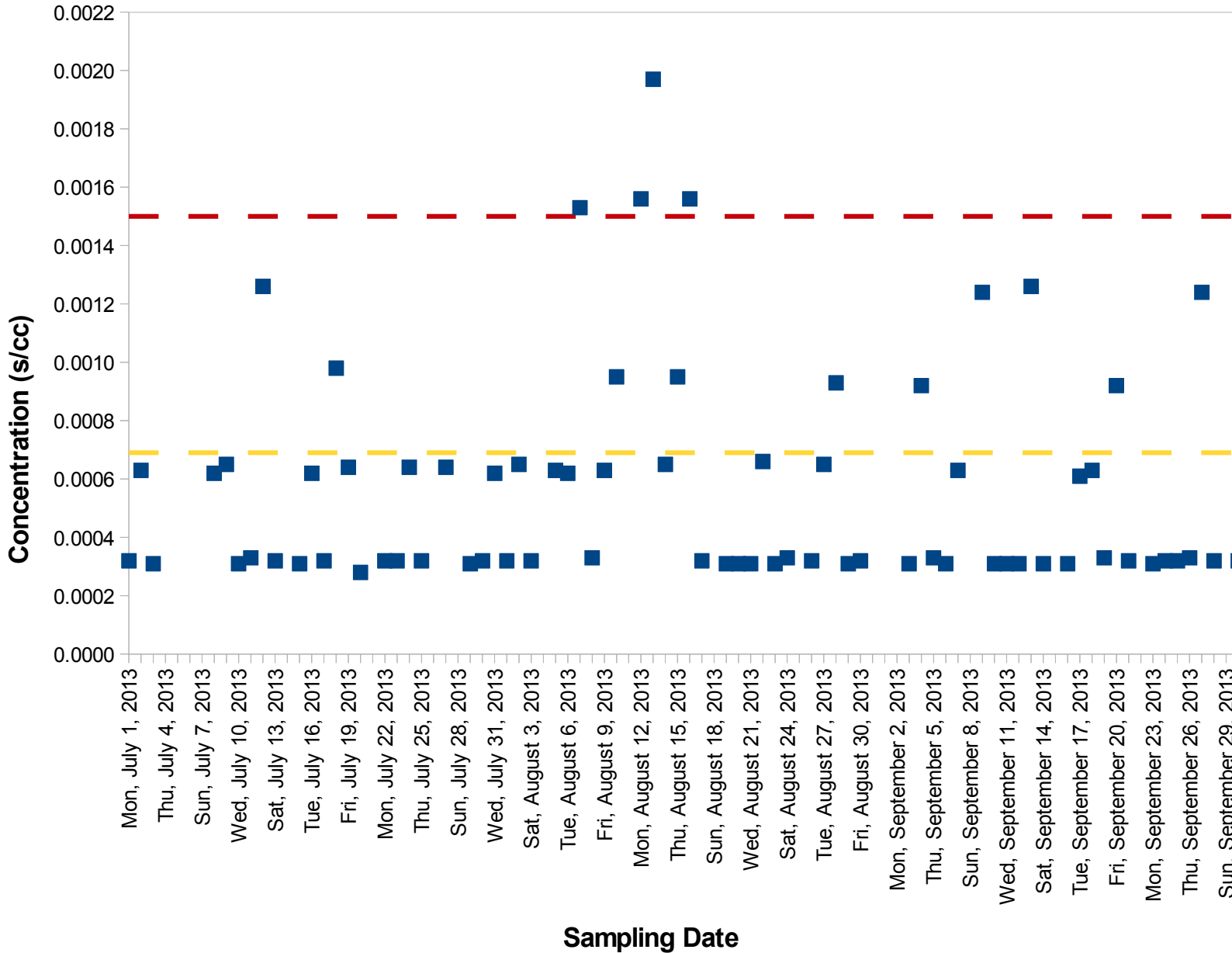January 2012 to December
2012
Result
24-hr Average Asbestos
Concentration
Concentration (s/cc)
Asbestos Structures per
Cubic Centimeter of Air

Calaveras Dam Replacement Project
Air Monitoring Station P8
Total Asbestos

Calaveras Dam Replacement Project
Air Monitoring Station P8
Amphibole Asbestos

Legend

— P8 Trigger Level
— P8 Cumulative Average
■ Result

Trigger Level
Concentration Resulting in Work Practice Alteration
Cumulative Average
Station Average from January 2012 to March 2013
Result
24-hr Average Asbestos Concentration
Concentration (s/cc)
Asbestos Structures per Cubic Centimeter of Air

Concentration (s/cc)

Sampling Date

**Calaveras Dam Replacement Project
Air Monitoring Station P8
Total Asbestos**

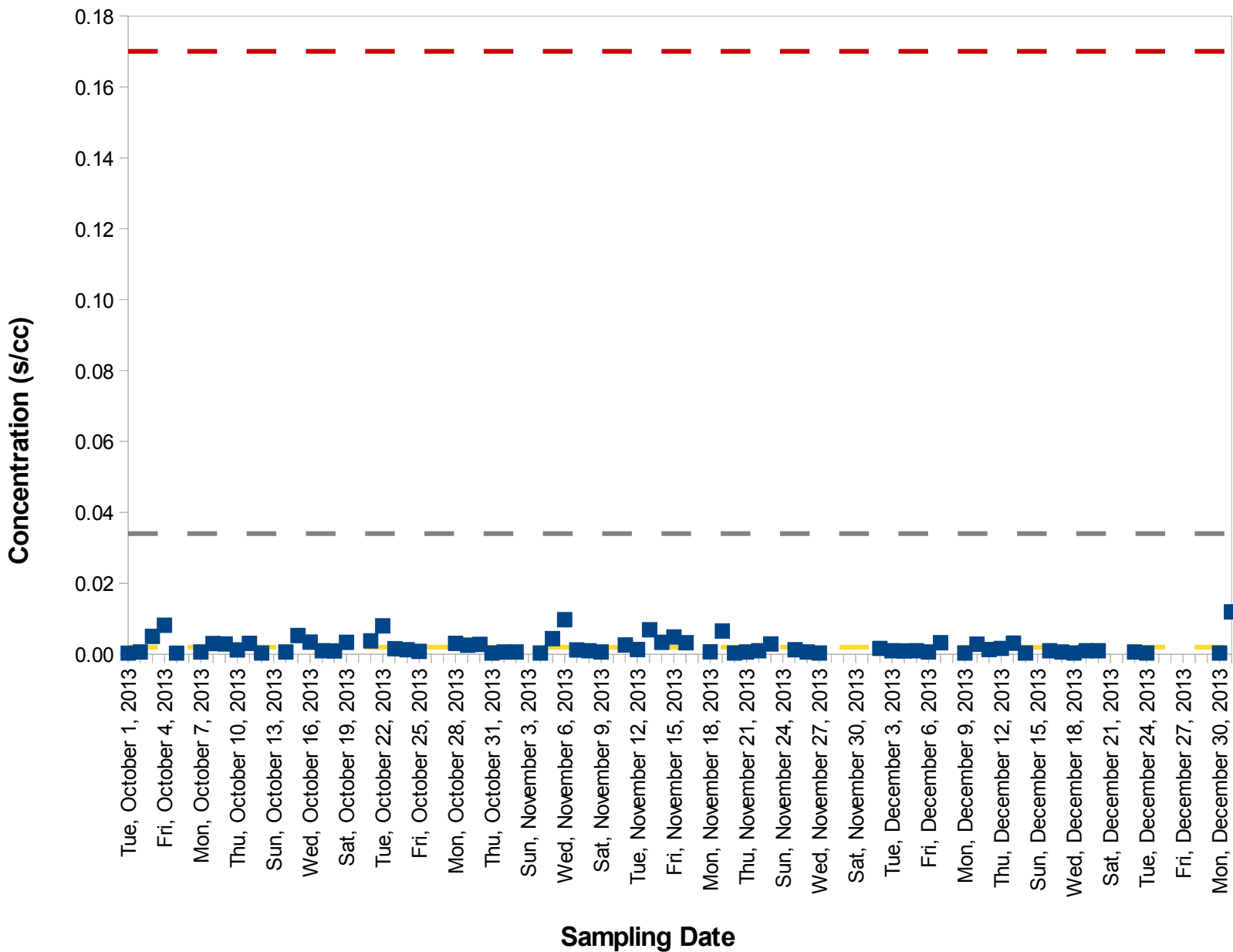**Legend**

— P8 Trigger Level
— P8 Cumulative Average
■ Result

Trigger Level
Concentration Resulting in
Work Practice Alteration
Cumulative Average
Station Average from
January 2012 to June 2013
Result
24-hr Average Asbestos
Concentration
Concentration (s/cc)
Asbestos Structures per
Cubic Centimeter of Air

Concentration (s/cc)

Sampling Date

Calaveras Dam Replacement Project
Air Monitoring Station P8
Amphibole Asbestos

Legend

— P8 Trigger Level
— P8 Cumulative Average
■ Result

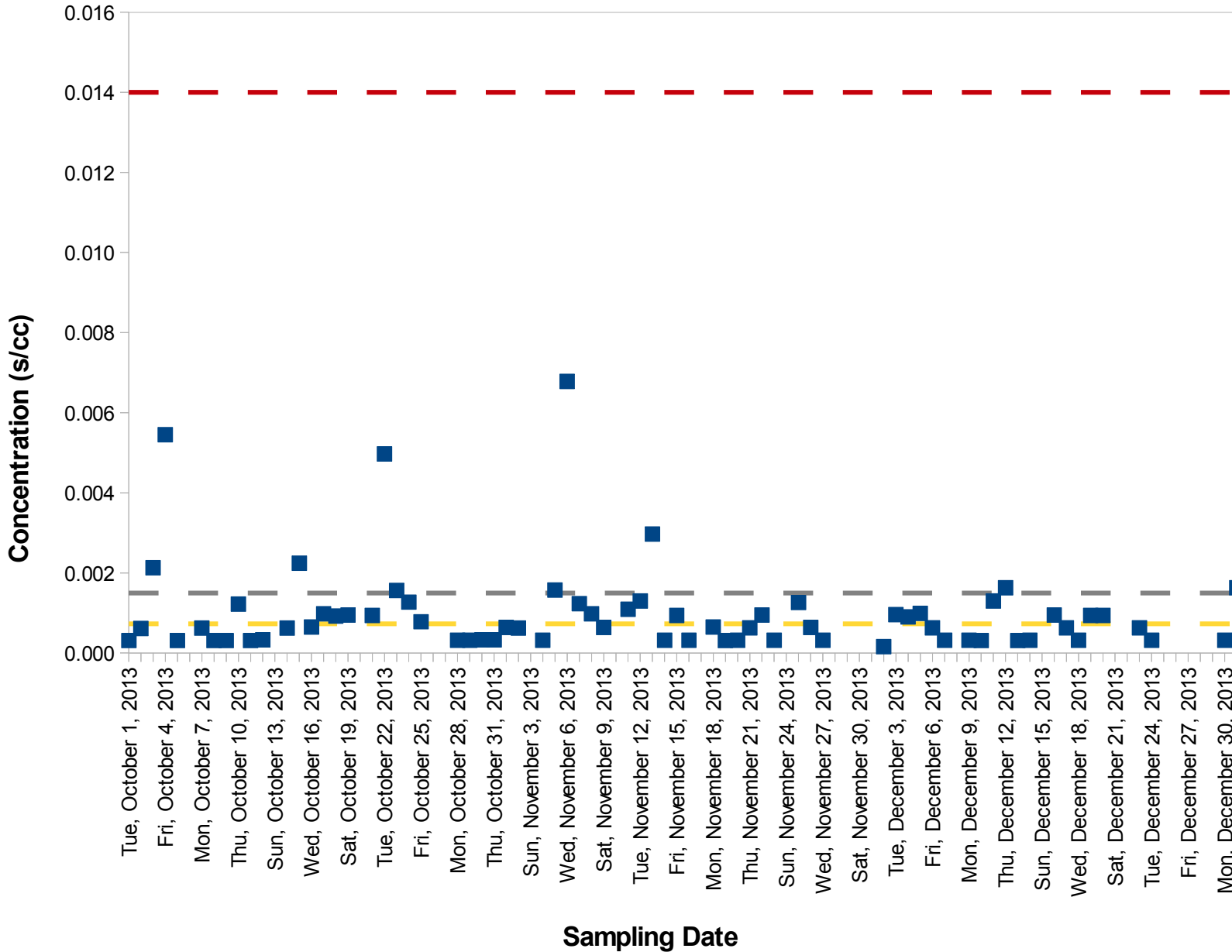**Trigger Level**
Concentration Resulting in Work Practice Alteration
Cumulative Average
Station Average from January 2012 to June 2013
Result
24-hr Average Asbestos Concentration
Concentration (s/cc)
Asbestos Structures per Cubic Centimeter of Air

Calaveras Dam Replacement Project
Air Monitoring Station P8
Total Asbestos

Calaveras Dam Replacement Project
Air Monitoring Station P8
Amphibole Asbestos

Calaveras Dam Replacement Project
Air Monitoring Station P8
Total Asbestos

Y-axis: Concentration (s/cc)

X-axis: Sampling Date

Calaveras Dam Replacement Project
Air Monitoring Station P8
Amphibole Asbestos

Legend

- **Revised P8 Trigger Level** (red dashed line)
- **Original P8 Trigger Level** (gray dashed line)
- **P8 Cumulative Average** (yellow line)
- ■ **Result** (blue square)

Revised Trigger Level
Concentration that, if exceeded, would result in work practice alteration after 10/7/13

Original Trigger Level
Concentration that, if exceeded, would result in work practice alteration prior to 10/7/13

Cumulative Average
Station Average from January 2012 to December 2013

Result
24-hr Average Asbestos Concentration

Concentration (s/cc)
Asbestos Structures per Cubic Centimeter of Air

Note:
In the absence of project-specific data prior to construction, the original air monitoring trigger levels were calculated based upon conservative estimates. We periodically re-calculate our trigger levels based upon actual site data and more sophisticated procedures to better reflect what we know about site conditions. Most importantly, these revised trigger levels ensure that we meet the same levels of public health protectiveness - less than 1 in 100,000 increased risk to people who may visit, recreate, work or live in the areas surrounding the project site. Based upon data collected during construction, we have revised our trigger levels to 0.014 s/cc for amphibole and 0.17 s/cc for total asbestos effective October 7, 2013 to better reflect actual site conditions. Therefore, all graphs posted prior to this date show both old and current trigger levels, while the new graphs posted after reflect only the current trigger level. For more information about how the trigger levels were derived, please contact us.

Sampling Date

Concentration (s/cc)

Calaveras Dam Replacement Project
Air Monitoring Station P8
Total Asbestos

Trigger Level
Concentration Resulting in Work Practice Alteration
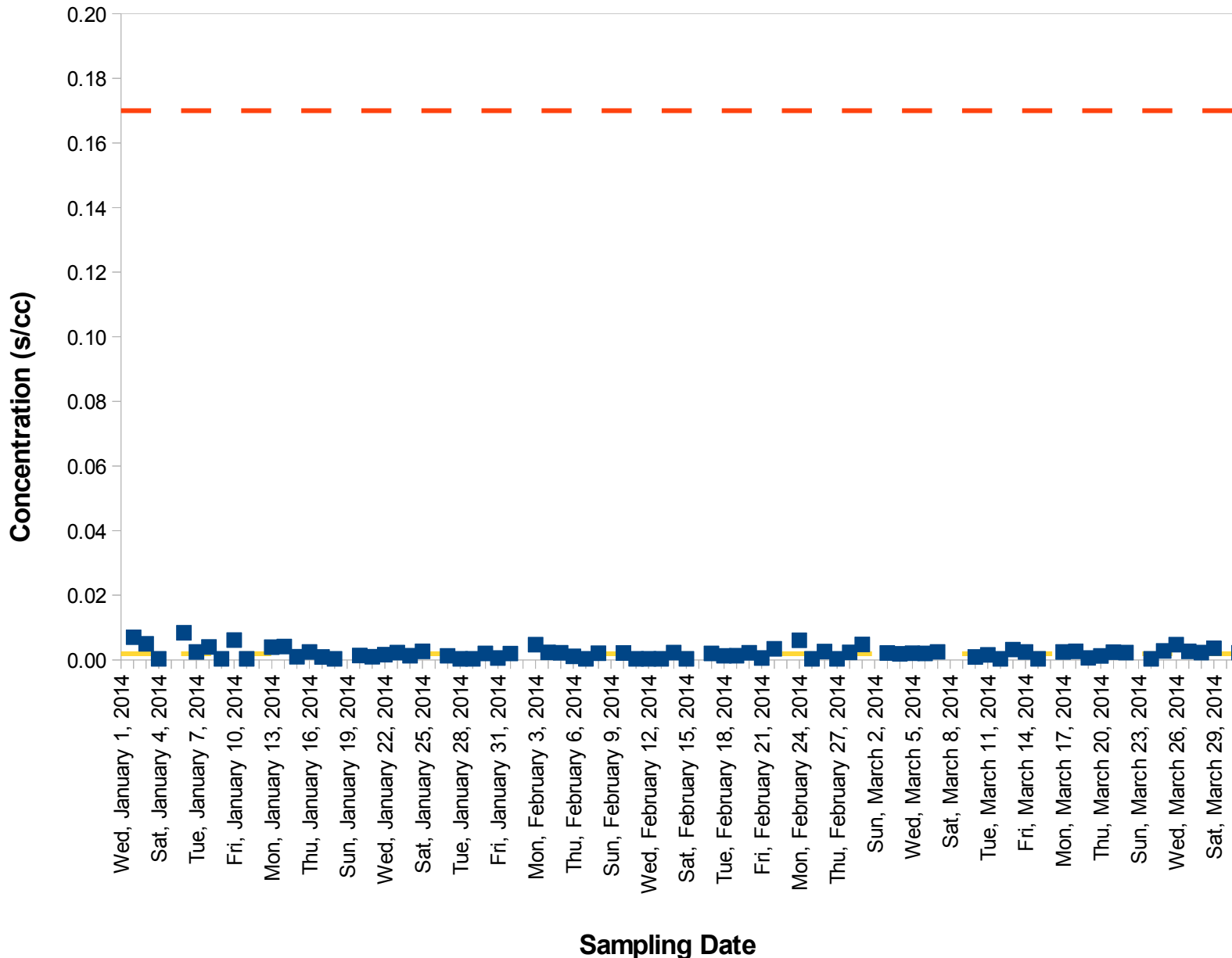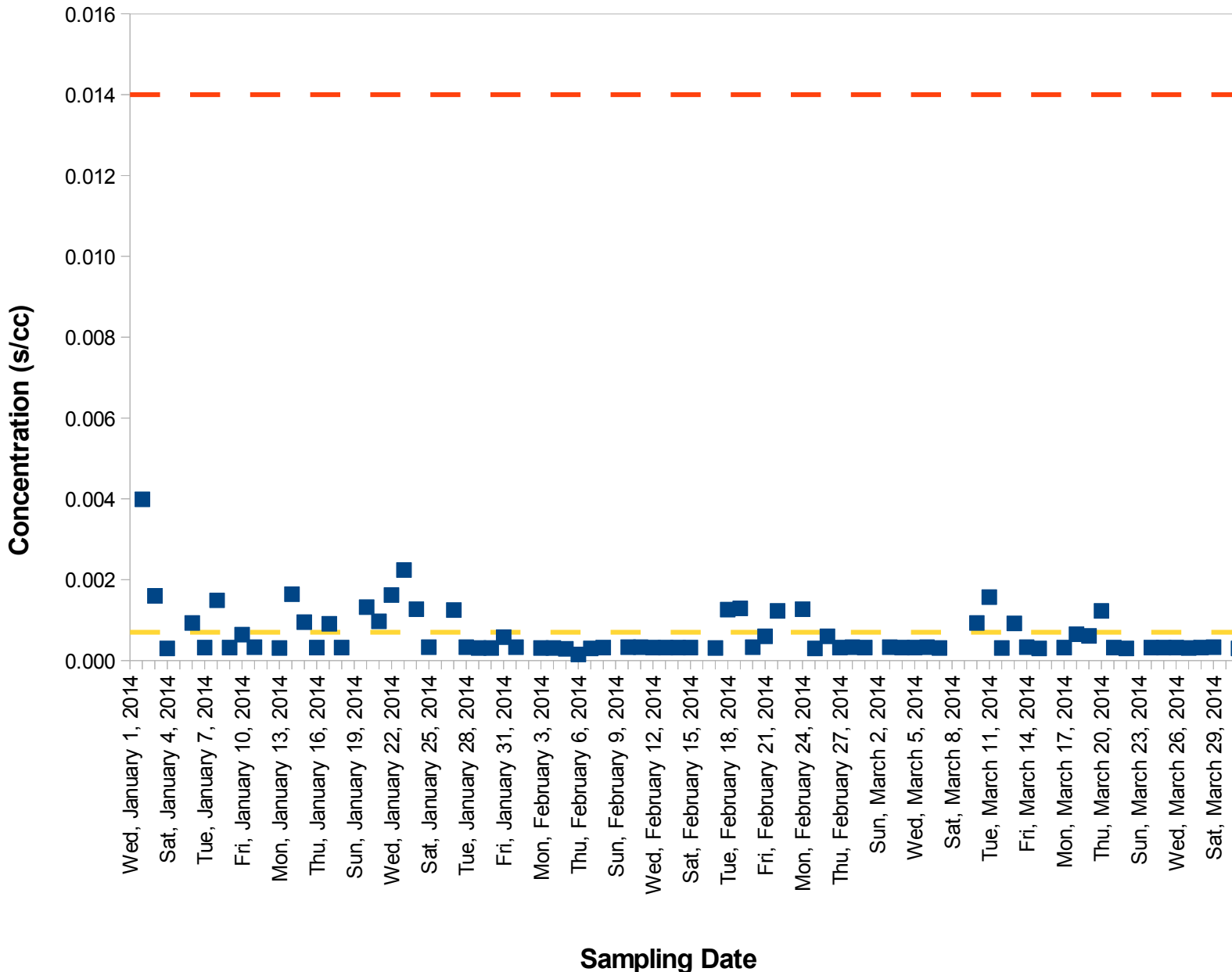**Cumulative Average**
Station Average from January 2012 through March 2014
Result
24-hr Average Asbestos Concentration
Concentration (s/cc)
Asbestos Structures per Cubic Centimeter of Air

Note:
In the absence of project-specific data prior to construction, the original air monitoring trigger levels were calculated based upon conservative estimates. We periodically re-calculate our trigger levels based upon actual site data and more sophisticated procedures to better reflect what we know about site conditions. Most importantly, these revised trigger levels ensure that we meet the same levels of public health protectiveness - less than 1 in 100,000 increased risk to people who may visit, recreate, work or live in the areas surrounding the project site. Based upon data collected during construction, we have revised our trigger levels to 0.014 s/cc for amphibole and 0.17 s/cc for total asbestos effective October 7, 2013 to better reflect actual site conditions. Therefore, all graphs posted prior to this date show both old and current trigger levels, while the new graphs posted after reflect only the current trigger level. For more information about how the trigger levels were derived, please contact us.

Calaveras Dam Replacement Project
Air Monitoring Station P8
Amphibole Asbestos

Legend

— P8 Trigger Level
— P8 Cumulative Average
■ Result

Trigger Level
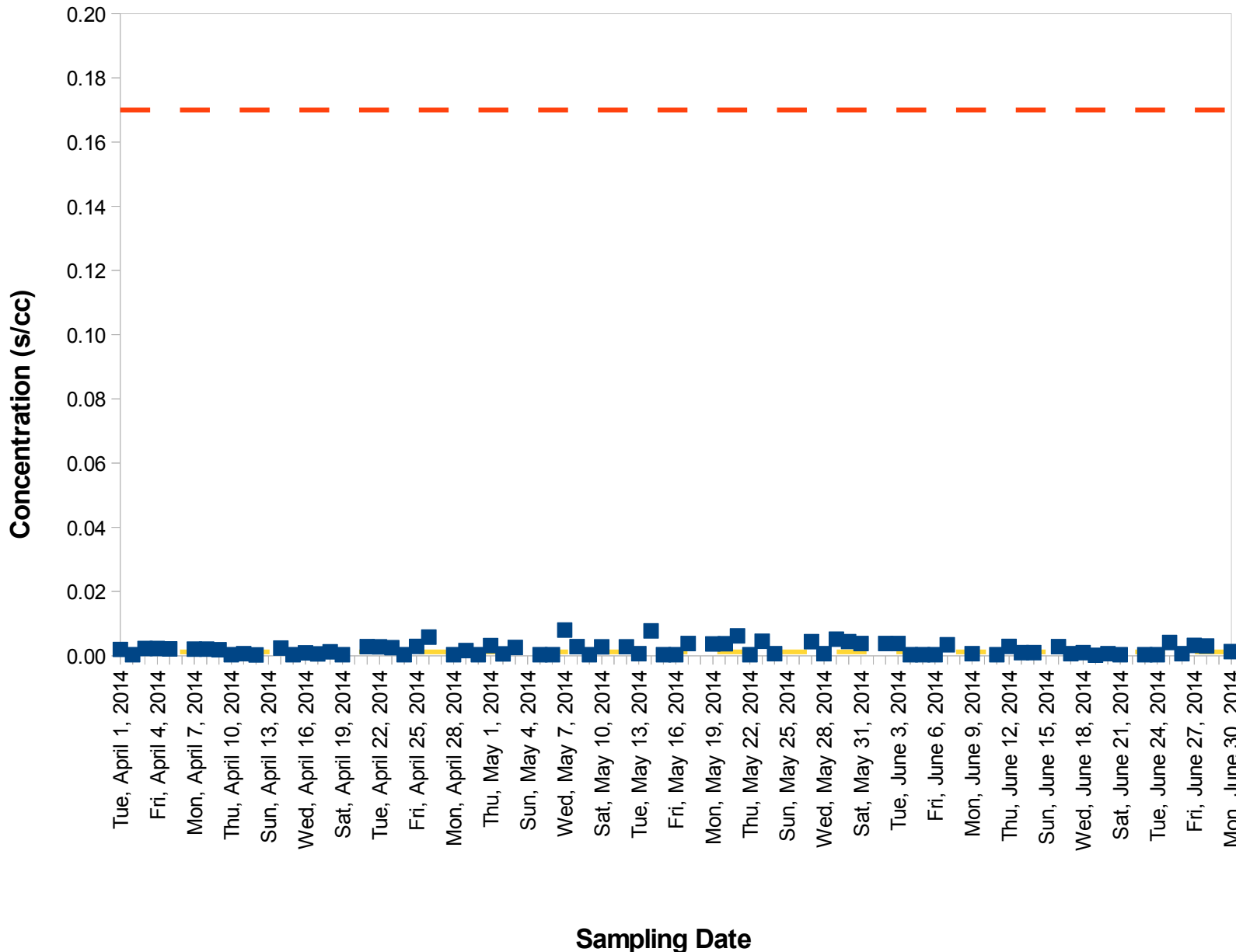Concentration Resulting in Work Practice Alteration
Cumulative Average
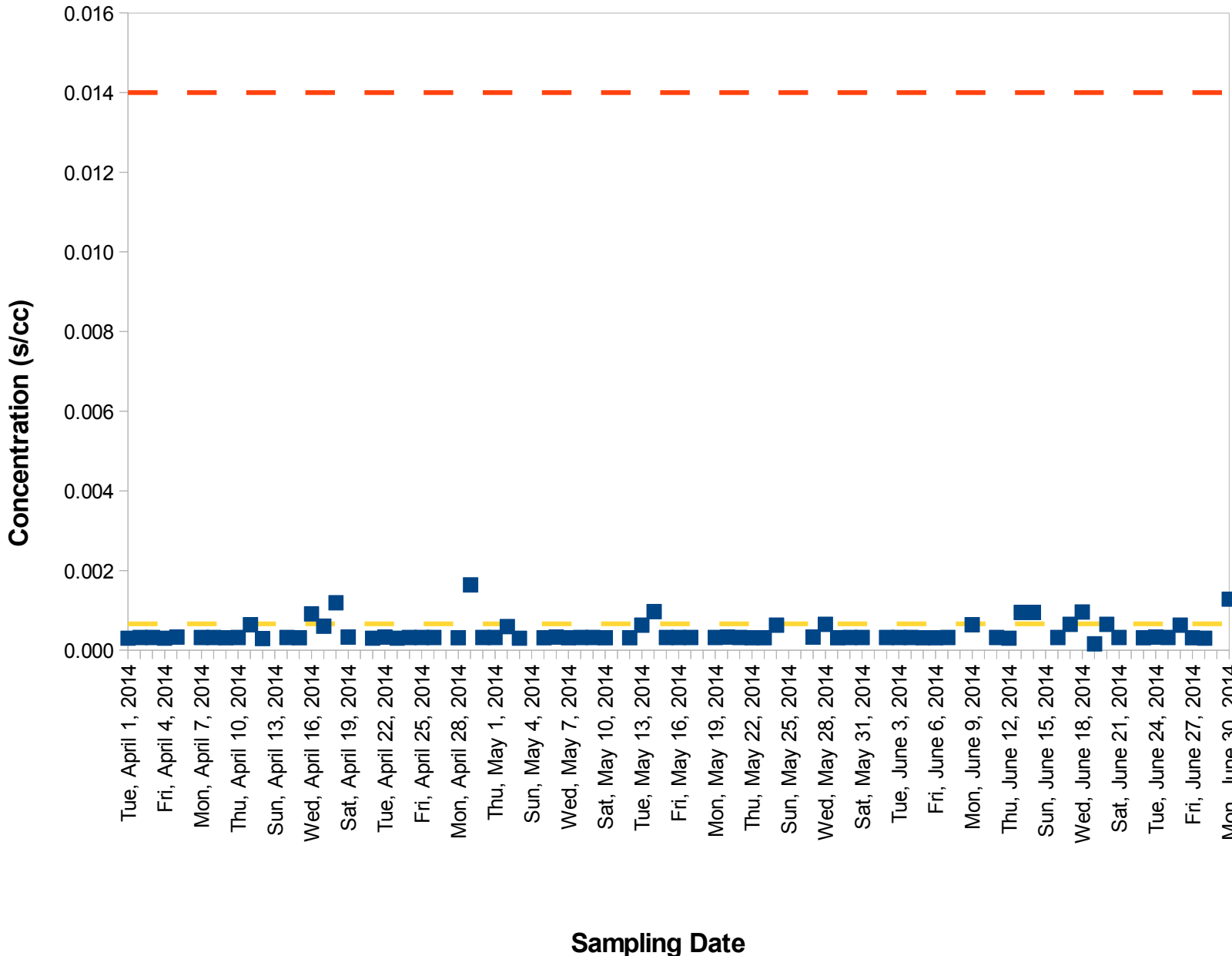Station Average from January 2012 through March 2014
Result
24-hr Average Asbestos Concentration
Concentration (s/cc)
Asbestos Structures per Cubic Centimeter of Air

Note:
In the absence of project-specific data prior to construction, the original air monitoring trigger levels were calculated based upon conservative estimates. We periodically re-calculate our trigger levels based upon actual site data and more sophisticated procedures to better reflect what we know about site conditions. Most importantly, these revised trigger levels ensure that we meet the same levels of public health protectiveness - less than 1 in 100,000 increased risk to people who may visit, recreate, work or live in the areas surrounding the project site. Based upon data collected during construction, we have revised our trigger levels to 0.014 s/cc for amphibole and 0.17 s/cc for total asbestos effective October 7, 2013 to better reflect actual site conditions. Therefore, all graphs posted prior to this date show both old and current trigger levels, while the new graphs posted after reflect only the current trigger level. For more information about how the trigger levels were derived, please contact us.

Calaveras Dam Replacement Project
Air Monitoring Station P8
Total Asbestos

Concentration (s/cc)

0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00

Tue, April 1, 2014
Fri, April 4, 2014
Mon, April 7, 2014
Thu, April 10, 2014
Sun, April 13, 2014
Wed, April 16, 2014
Sat, April 19, 2014
Tue, April 22, 2014
Fri, April 25, 2014
Mon, April 28, 2014
Thu, May 1, 2014
Sun, May 4, 2014
Wed, May 7, 2014
Sat, May 10, 2014
Tue, May 13, 2014
Fri, May 16, 2014
Mon, May 19, 2014
Thu, May 22, 2014
Sun, May 25, 2014
Wed, May 28, 2014
Sat, May 31, 2014
Tue, June 3, 2014
Fri, June 6, 2014
Mon, June 9, 2014
Thu, June 12, 2014
Sun, June 15, 2014
Wed, June 18, 2014
Sat, June 21, 2014
Tue, June 24, 2014
Fri, June 27, 2014
Mon, June 30, 2014

Sampling Date

Calaveras Dam Replacement Project
Air Monitoring Station P8
Amphibole Asbestos

Sampling Date

Calaveras Dam Replacement Project
Air Monitoring Station P8
Total Asbestos

Legend

Calaveras Dam Replacement Project
Air Monitoring Station P8
Amphibole Asbestos

Legend

— P8 Trigger Level
— P8 Cumulative Average
■ Result

Trigger Level
Concentration Resulting in Work Practice Alteration
Cumulative Average
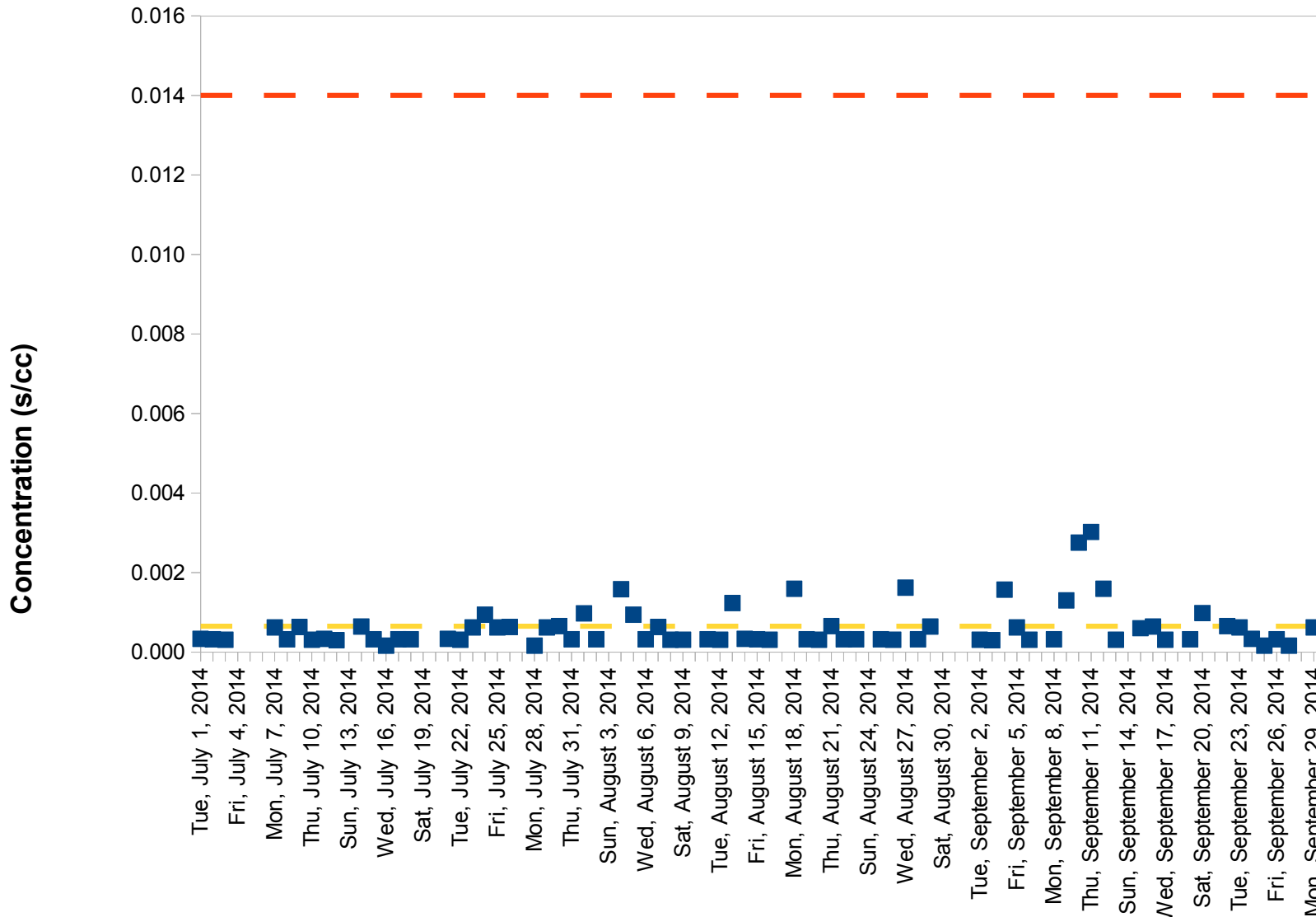Station Average from January 2012 to September 2014
Result
24-hr Average Asbestos Concentration
Concentration (s/cc)
Asbestos Structures per Cubic Centimeter of Air

Note:
In the absence of project-specific data prior to construction, the original air monitoring trigger levels were calculated based upon conservative estimates. We periodically re-calculate our trigger levels based upon actual site data and more sophisticated procedures to better reflect what we know about site conditions. Most importantly, these revised trigger levels ensure that we meet the same levels of public health protectiveness - less than 1 in 100,000 increased risk to people who may visit, recreate, work or live in the areas surrounding the project site. Based upon data collected during construction, we have revised our trigger levels to 0.014 s/cc for amphibole and 0.17 s/cc for total asbestos effective October 7, 2013 to better reflect actual site conditions. Therefore, all graphs posted prior to this date show both old and current trigger levels, while the new graphs posted after reflect only the current trigger level. For more information about how the trigger levels were derived, please contact us.

Calaveras Dam Replacement Project
Air Monitoring Station P8
Total Asbestos

Legend

— P8 Trigger Level
— P8 Cumulative Average
■ Result

Trigger Level
Concentration Resulting in Work Practice Alteration
Cumulative Average
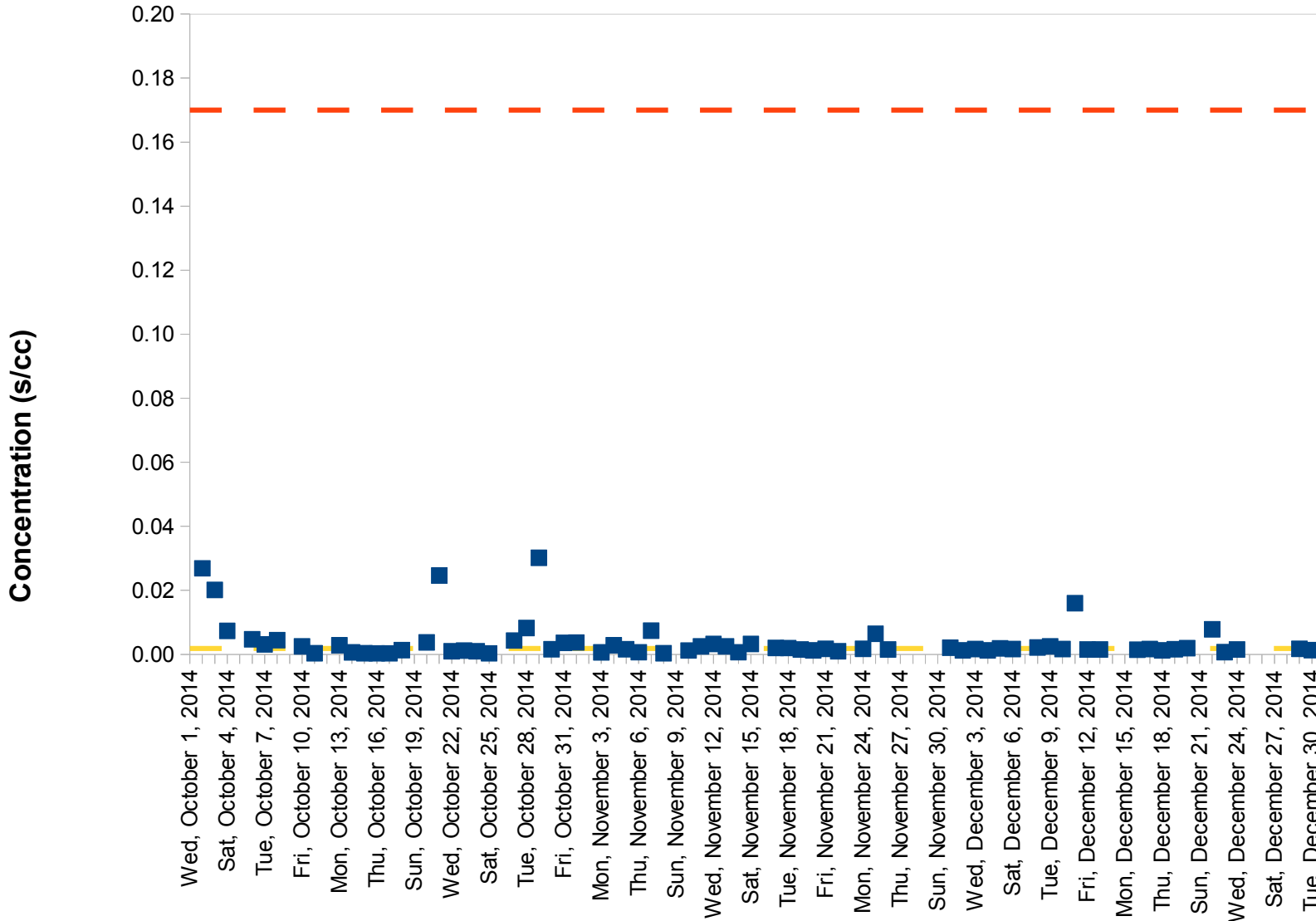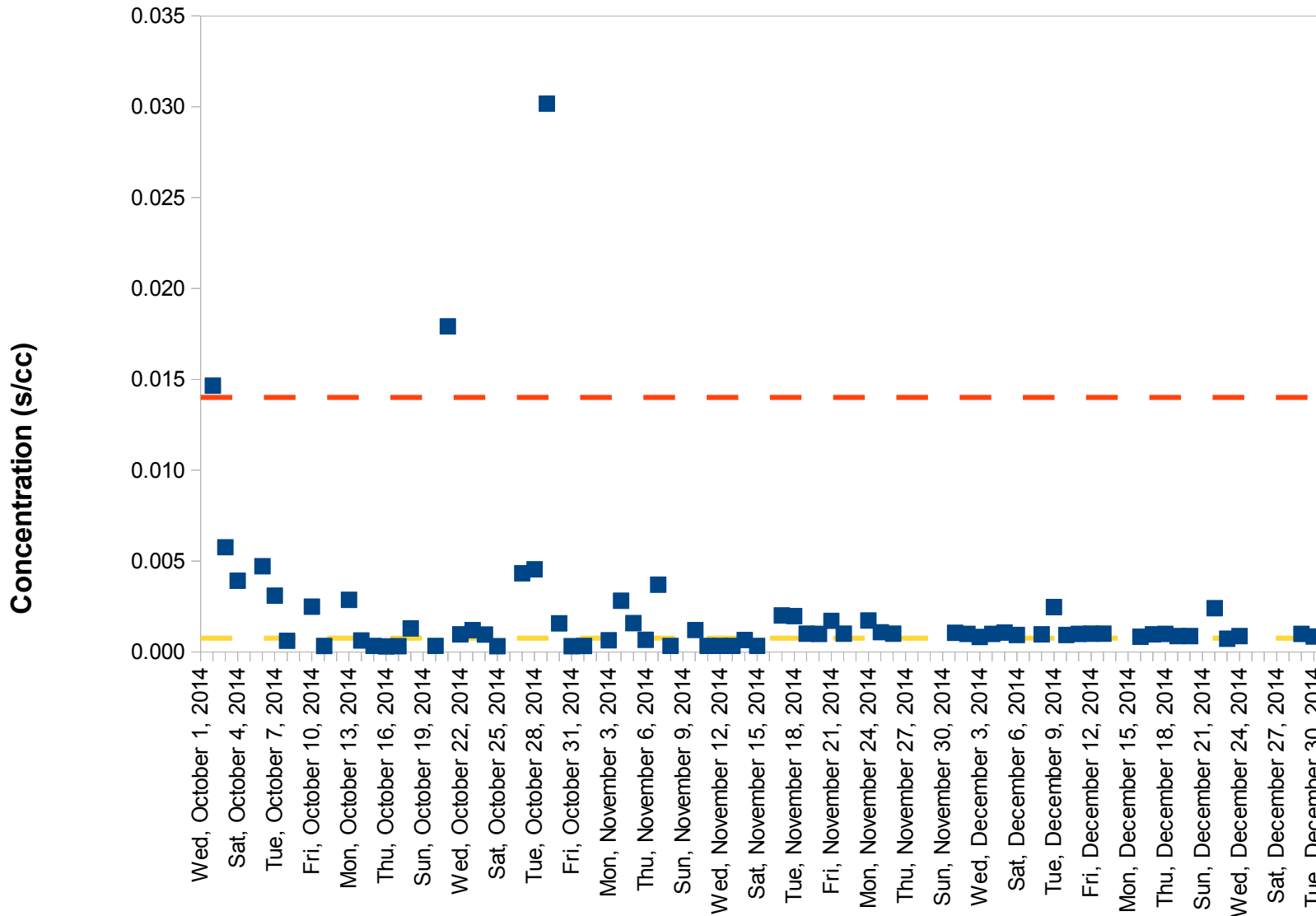Station Average from January 2012 to December 2014
Result
24-hr Average Asbestos Concentration
Concentration (s/cc)
Asbestos Structures per Cubic Centimeter of Air

Note:
In the absence of project-specific data prior to construction, the original air monitoring trigger levels were calculated based upon conservative estimates. We periodically re-calculate our trigger levels based upon actual site data and more sophisticated procedures to better reflect what we know about site conditions. Most importantly, these revised trigger levels ensure that we meet the same levels of public health protectiveness - less than 1 in 100,000 increased risk to people who may visit, recreate, work or live in the areas surrounding the project site. Based upon data collected during construction, we have revised our trigger levels to 0.014 s/cc for amphibole and 0.17 s/cc for total asbestos effective October 7, 2013 to better reflect actual site conditions. Therefore, all graphs posted prior to this date show both old and current trigger levels, while the new graphs posted after reflect only the current trigger level. For more information about how the trigger levels were derived, please contact us.

Calaveras Dam Replacement Project
Air Monitoring Station P8
Amphibole Asbestos

Legend

— P8 Trigger Level
— P8 Cumulative Average
■ Result

Trigger Level
Concentration Resulting in Work Practice Alteration
Cumulative Average
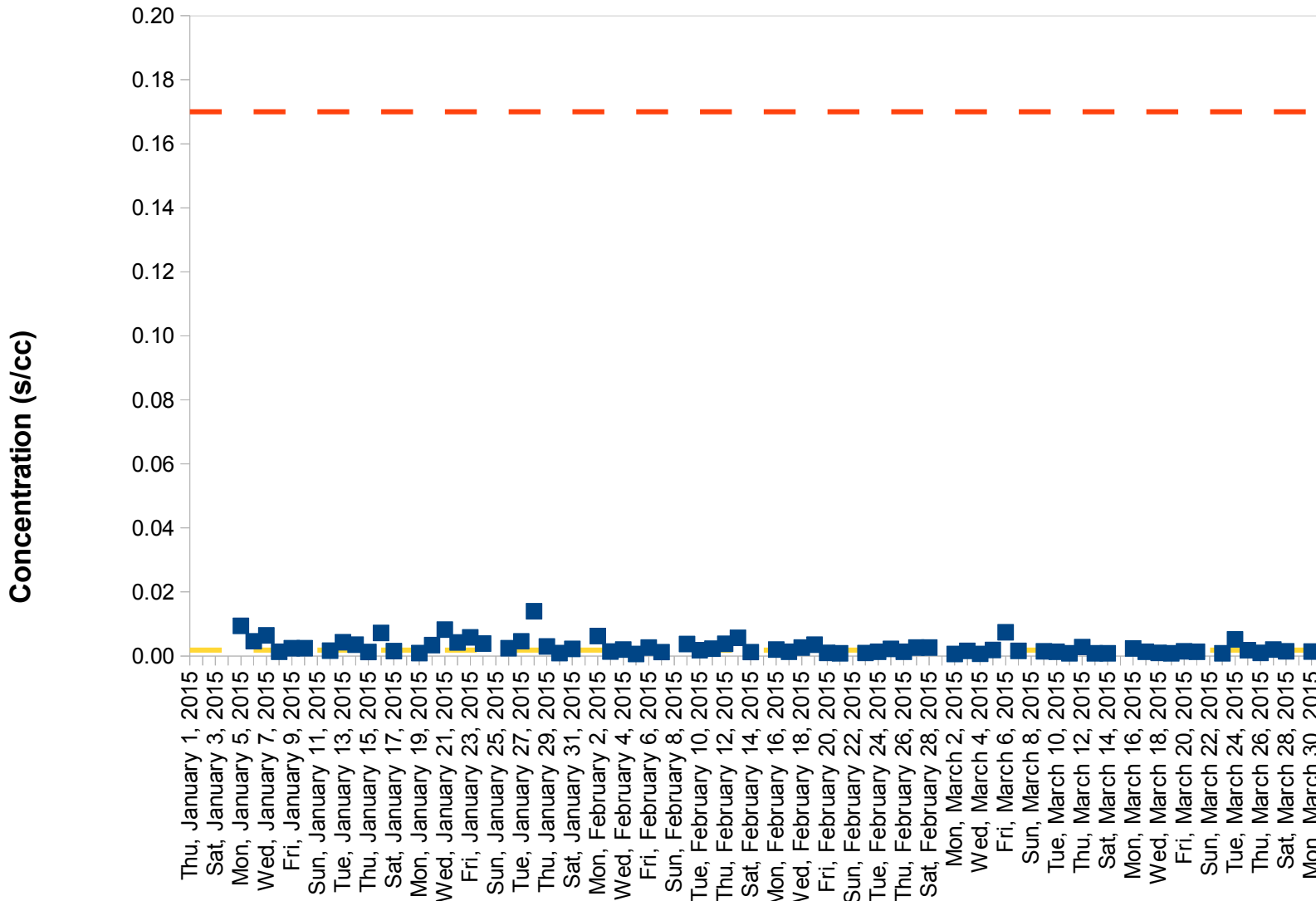Station Average from January 2012 to December 2014
Result
24-hr Average Asbestos Concentration
Concentration (s/cc)
Asbestos Structures per Cubic Centimeter of Air

Note:
In the absence of project-specific data prior to construction, the original air monitoring trigger levels were calculated based upon conservative estimates. We periodically re-calculate our trigger levels based upon actual site data and more sophisticated procedures to better reflect what we know about site conditions. Most importantly, these revised trigger levels ensure that we meet the same levels of public health protectiveness - less than 1 in 100,000 increased risk to people who may visit, recreate, work or live in the areas surrounding the project site. Based upon data collected during construction, we have revised our trigger levels to 0.014 s/cc for amphibole and 0.17 s/cc for total asbestos effective October 7, 2013 to better reflect actual site conditions. Therefore, all graphs posted prior to this date show both old and current trigger levels, while the new graphs posted after reflect only the current trigger level. For more information about how the trigger levels were derived, please contact us.

Calaveras Dam Replacement Project
Air Monitoring Station P8
Total Asbestos

Legend

— P8 Trigger Level
— P8 Cumulative Average
■ Result

Trigger Level
Concentration Resulting in
Work Practice Alteration
Cumulative Average
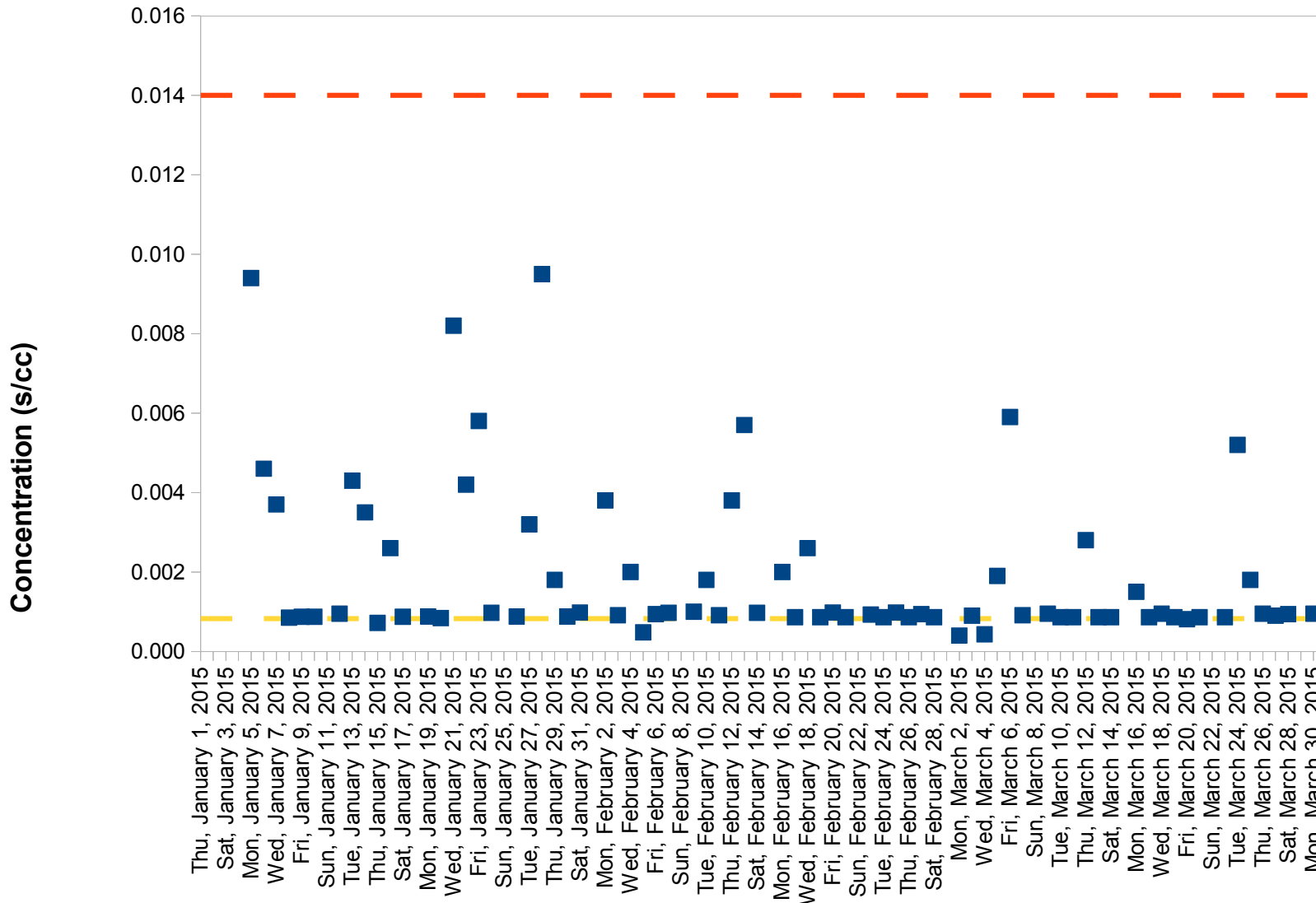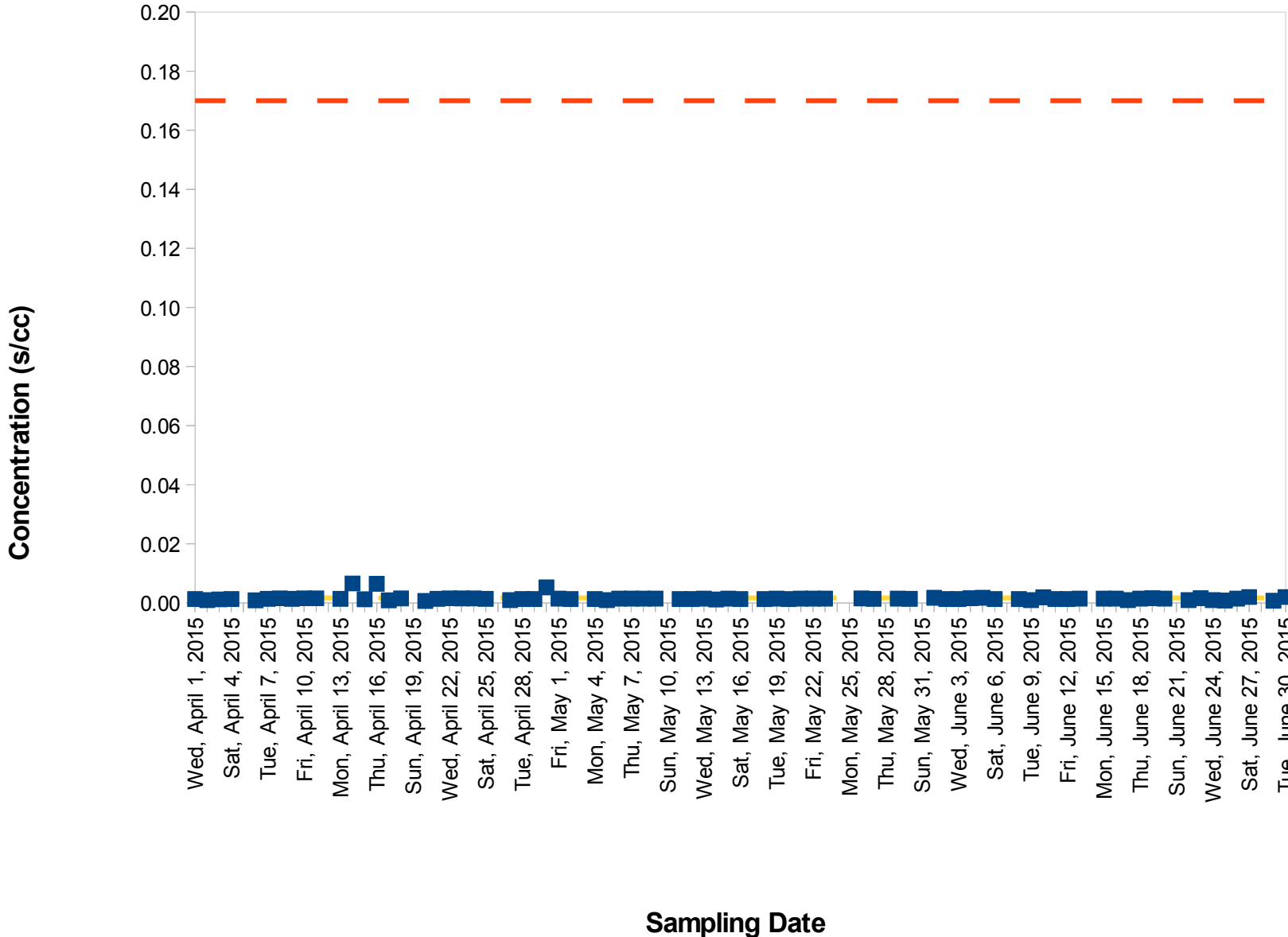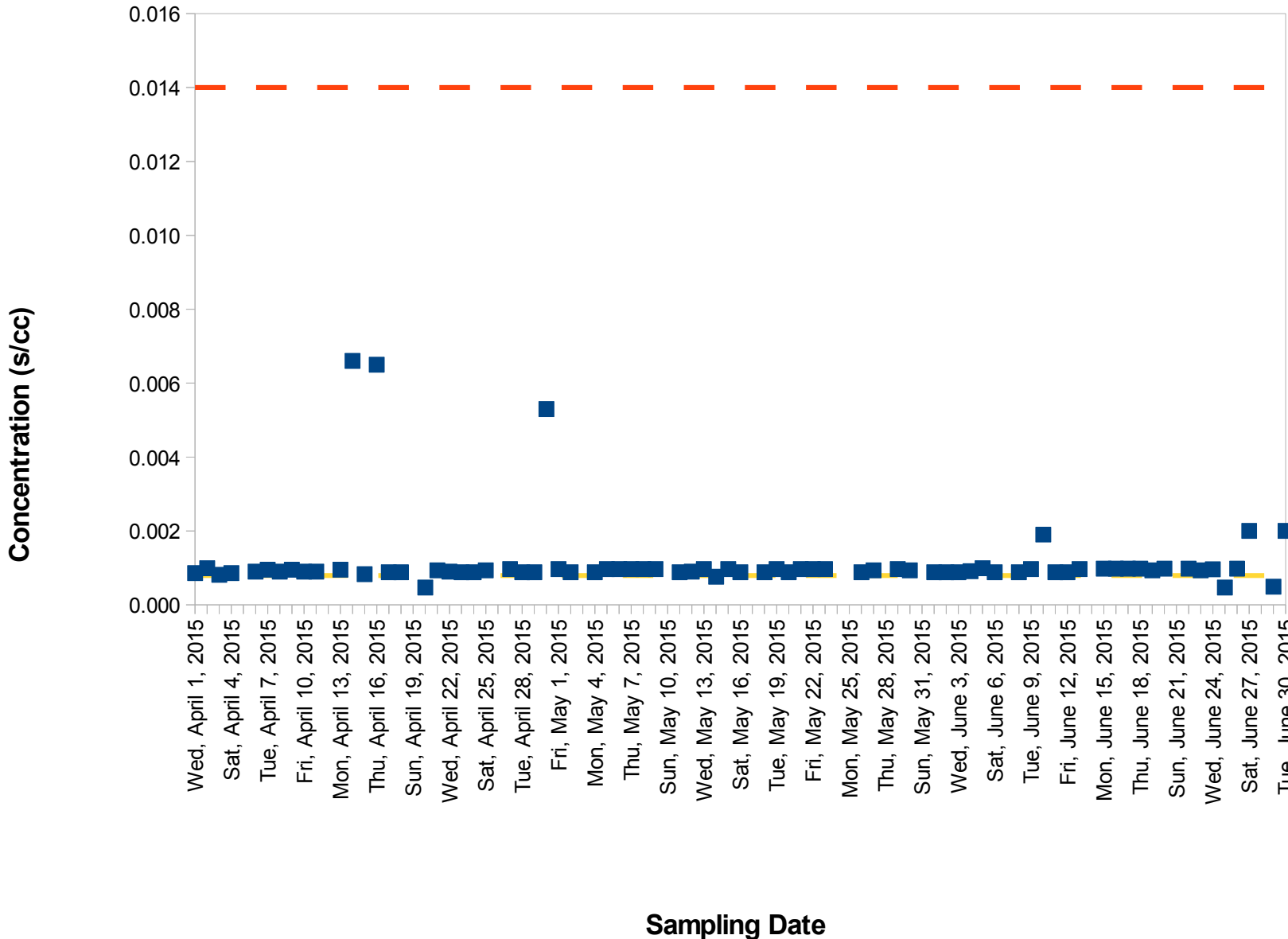Station Average from January
2012 to January 2015
Result
24-hr Average Asbestos
Concentration
Concentration (s/cc)
Asbestos Structures per Cubic
Centimeter of Air

Note:
*In the absence of project-specific
data prior to construction, the
original air monitoring trigger
levels were calculated based
upon conservative estimates. We
periodically re-calculate our
trigger levels based upon actual
site data and more sophisticated
procedures to better reflect what
we know about site conditions.
Most importantly, these revised
trigger levels ensure that we meet
the same levels of public health
protectiveness - less than 1 in
100,000 increased risk to people
who may visit, recreate, work or
live in the areas surrounding the
project site. Based upon data
collected during construction, we
have revised our trigger levels to
0.014 s/cc for amphibole and
0.17 s/cc for total asbestos
effective October 7, 2013 to better
reflect actual site conditions.
Therefore, all graphs posted prior
to this date show both old and
current trigger levels, while the
new graphs posted after reflect
only the current trigger level. For
more information about how the
trigger levels were derived,
please contact us.*

Calaveras Dam Replacement Project
Air Monitoring Station P8
Amphibole Asbestos

Legend

— P8 Trigger Level
— P8 Cumulative Average
■ Result

Trigger Level
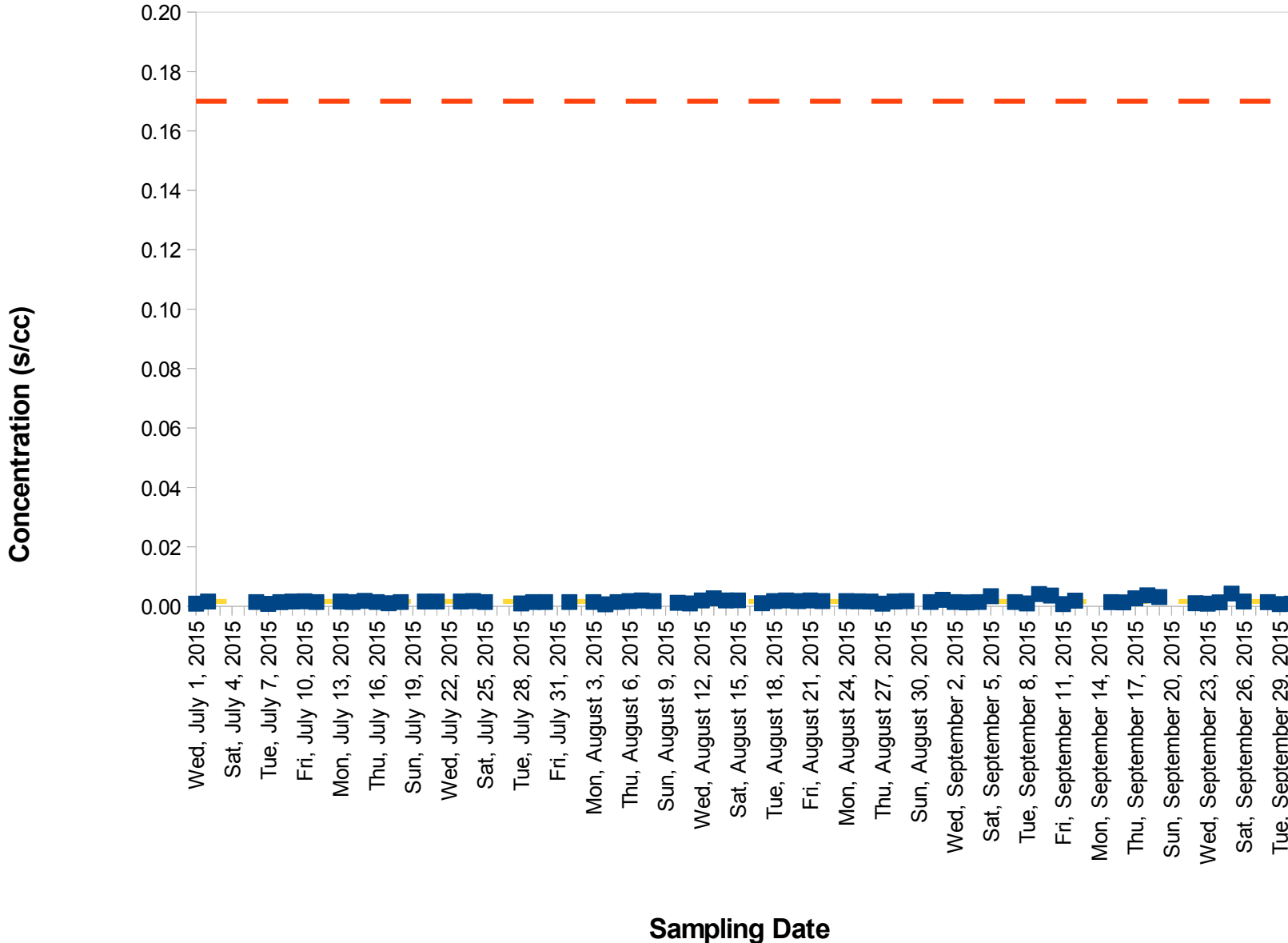Concentration Resulting in
Work Practice Alteration
Cumulative Average
Station Average from January
2012 to January 2015
Result
24-hr Average Asbestos
Concentration
Concentration (s/cc)
Asbestos Structures per Cubic
Centimeter of Air

Note:
In the absence of project-specific data prior to construction, the original air monitoring trigger levels were calculated based upon conservative estimates. We periodically re-calculate our trigger levels based upon actual site data and more sophisticated procedures to better reflect what we know about site conditions. Most importantly, these revised trigger levels ensure that we meet the same levels of public health protectiveness - less than 1 in 100,000 increased risk to people who may visit, recreate, work or live in the areas surrounding the project site. Based upon data collected during construction, we have revised our trigger levels to 0.014 s/cc for amphibole and 0.17 s/cc for total asbestos effective October 7, 2013 to better reflect actual site conditions. Therefore, all graphs posted prior to this date show both old and current trigger levels, while the new graphs posted after reflect only the current trigger level. For more information about how the trigger levels were derived, please contact us.

Calaveras Dam Replacement Project
Air Monitoring Station P8
Total Asbestos

Calaveras Dam Replacement Project
Air Monitoring Station P8
Amphibole Asbestos

Trigger Level
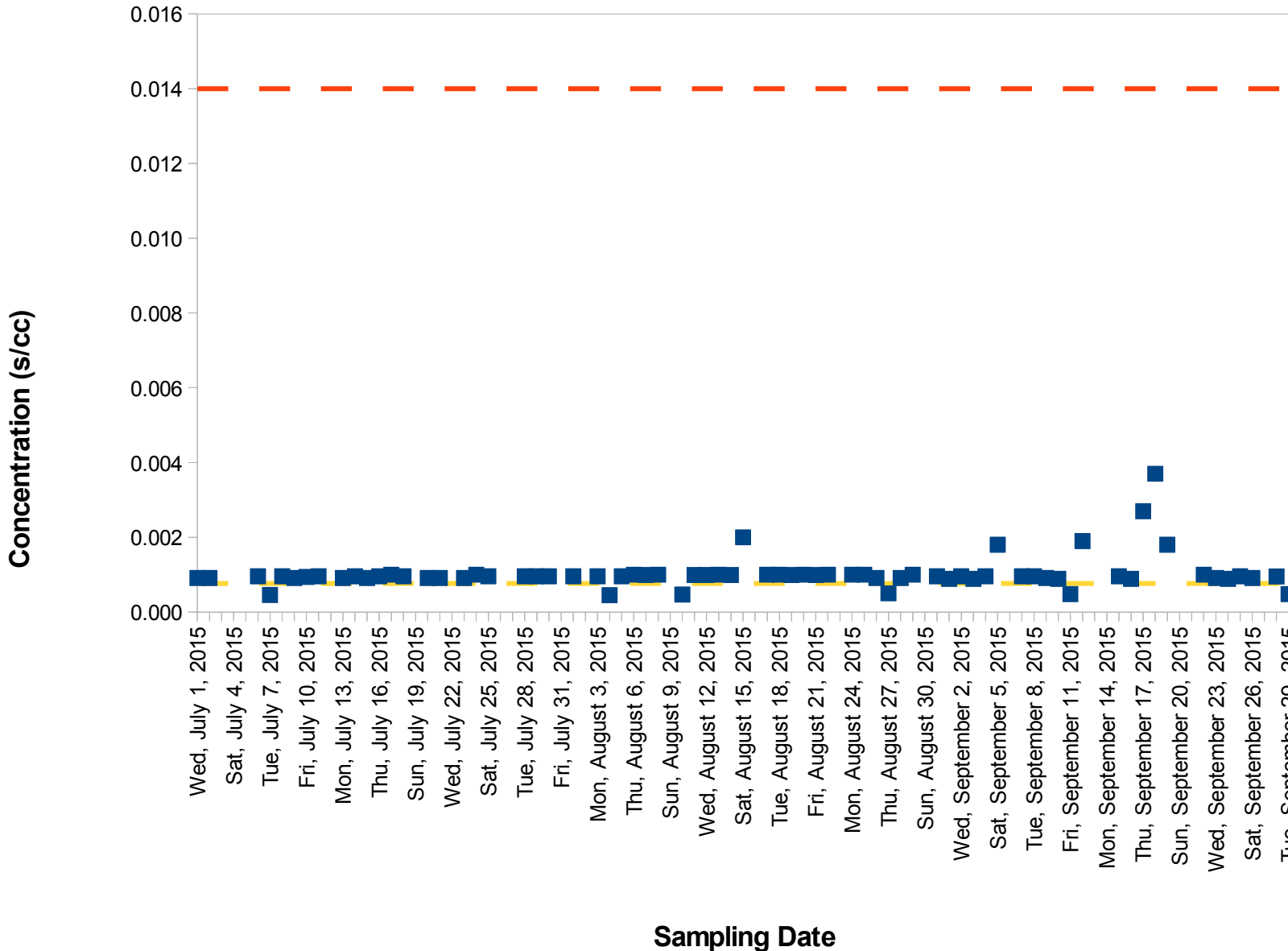Concentration that, if exceeded, would result in work practice alteration
Cumulative Average
Station Average from January 2012 through June 2015
Result
24-hr Average Asbestos Concentration
Concentration (s/cc)
Asbestos Structures per Cubic Centimeter of Air

Note:
In the absence of project-specific data prior to construction, the original air monitoring trigger levels were calculated based upon conservative estimates. We periodically re-calculate our trigger levels based upon actual site data and more sophisticated procedures to better reflect what we know about site conditions. Most importantly, these revised trigger levels ensure that we meet the same levels of public health protectiveness - less than 1 in 100,000 increased risk to people who may visit, recreate, work or live in the areas surrounding the project site. Based upon data collected during construction, we have revised our trigger levels to 0.014 s/cc for amphibole and 0.17 s/cc for total asbestos effective October 7, 2013 to better reflect actual site conditions. Therefore, all graphs posted prior to this date show both old and current trigger levels, while the new graphs posted after reflect only the current trigger level. For more information about how the trigger levels were derived, please contact us.

Concentration (s/cc) — Sampling Date

Calaveras Dam Replacement Project
Air Monitoring Station P8
Total Asbestos

Legend

— P8 Trigger Level
— P8 Cumulative Average
■ Result

Trigger Level
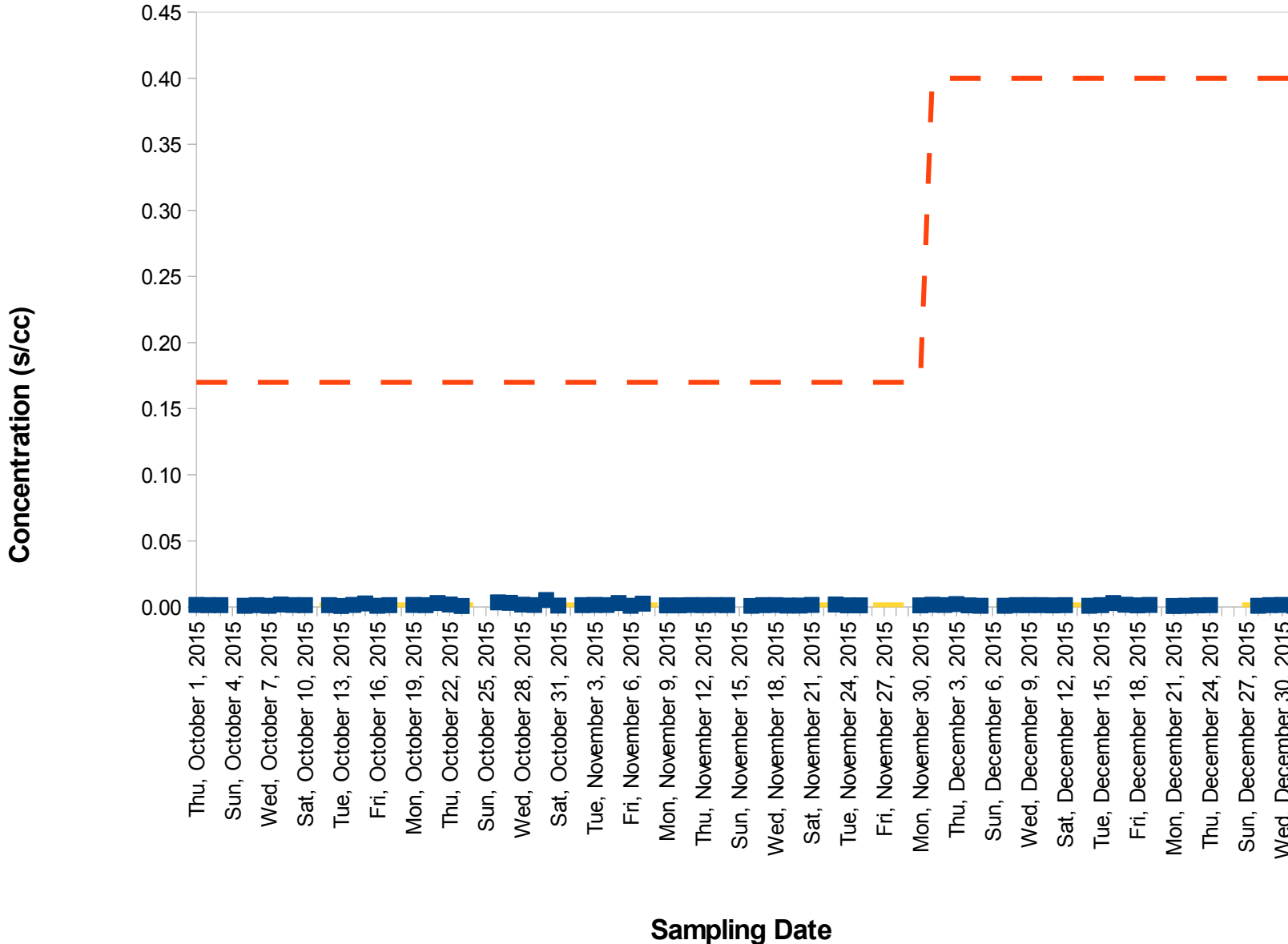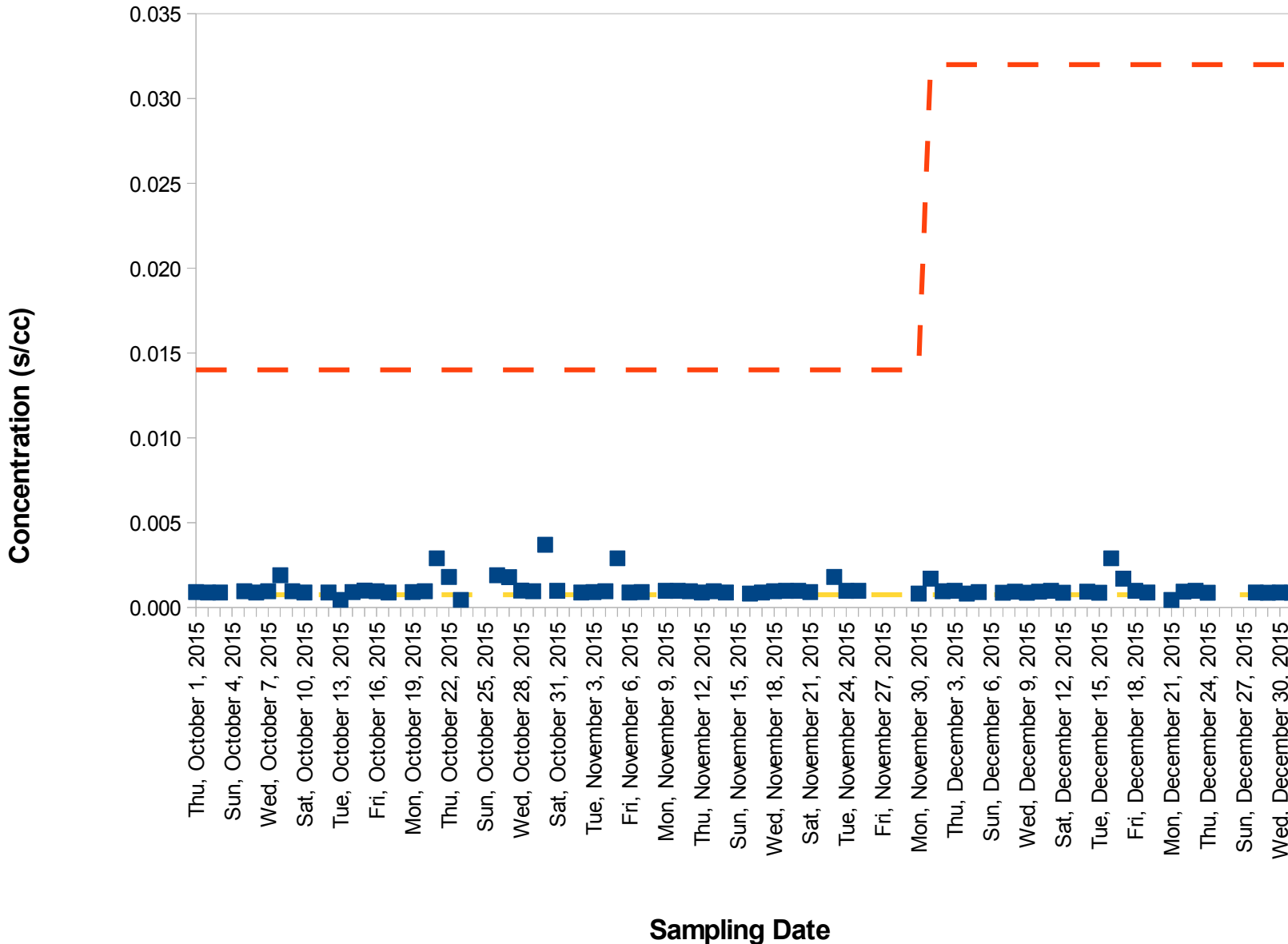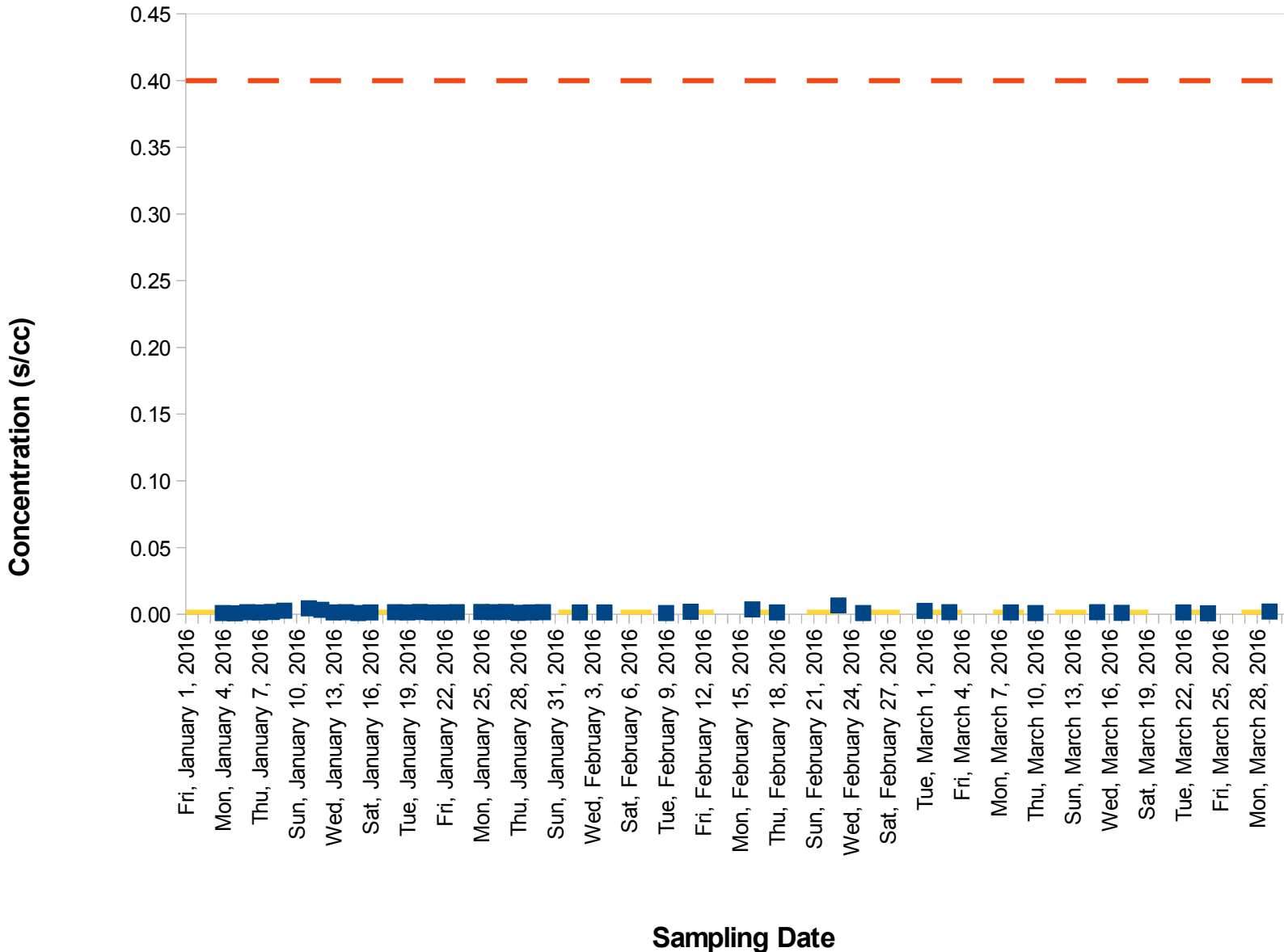Concentration that, if exceeded, would result in work practice alteration
Cumulative Average
Station Average from January 2012 through September 2015
Result
24-hr Average Asbestos Concentration
Concentration (s/cc)
Asbestos Structures per Cubic Centimeter of Air

Note:
In the absence of project-specific data prior to construction, the original air monitoring trigger levels were calculated based upon conservative estimates. We periodically re-calculate our trigger levels based upon actual site data and more sophisticated procedures to better reflect what we know about site conditions. Most importantly, these revised trigger levels ensure that we meet the same levels of public health protectiveness - less than 1 in 100,000 increased risk to people who may visit, recreate, work or live in the areas surrounding the project site. Based upon data collected during construction, we have revised our trigger levels to 0.014 s/cc for amphibole and 0.17 s/cc for total asbestos effective October 7, 2013 to better reflect actual site conditions. Therefore, all graphs posted prior to this date show both old and current trigger levels, while the new graphs posted after reflect only the current trigger level. For more information about how the trigger levels were derived, please contact us.

Concentration (s/cc)

Sampling Date

Calaveras Dam Replacement Project
Air Monitoring Station P8
Amphibole Asbestos

Calaveras Dam Replacement Project
Air Monitoring Station P8
Total Asbestos

Legend
- P8 Trigger Level
- P8 Cumulative Average
- Result

Concentration (s/cc)

0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00

Sampling Date

Thu, October 1, 2015
Sun, October 4, 2015
Wed, October 7, 2015
Sat, October 10, 2015
Tue, October 13, 2015
Fri, October 16, 2015
Mon, October 19, 2015
Thu, October 22, 2015
Sun, October 25, 2015
Wed, October 28, 2015
Sat, October 31, 2015
Tue, November 3, 2015
Fri, November 6, 2015
Mon, November 9, 2015
Thu, November 12, 2015
Sun, November 15, 2015
Wed, November 18, 2015
Sat, November 21, 2015
Tue, November 24, 2015
Fri, November 27, 2015
Mon, November 30, 2015
Thu, December 3, 2015
Sun, December 6, 2015
Wed, December 9, 2015
Sat, December 12, 2015
Tue, December 15, 2015
Fri, December 18, 2015
Mon, December 21, 2015
Thu, December 24, 2015
Sun, December 27, 2015
Wed, December 30, 2015

Calaveras Dam Replacement Project
Air Monitoring Station P8
Amphibole Asbestos

Calaveras Dam Replacement Project
Air Monitoring Station P8
Total Asbestos

Legend

— P8 Trigger Level
— P8 Cumulative Average
■ Result

Trigger Level
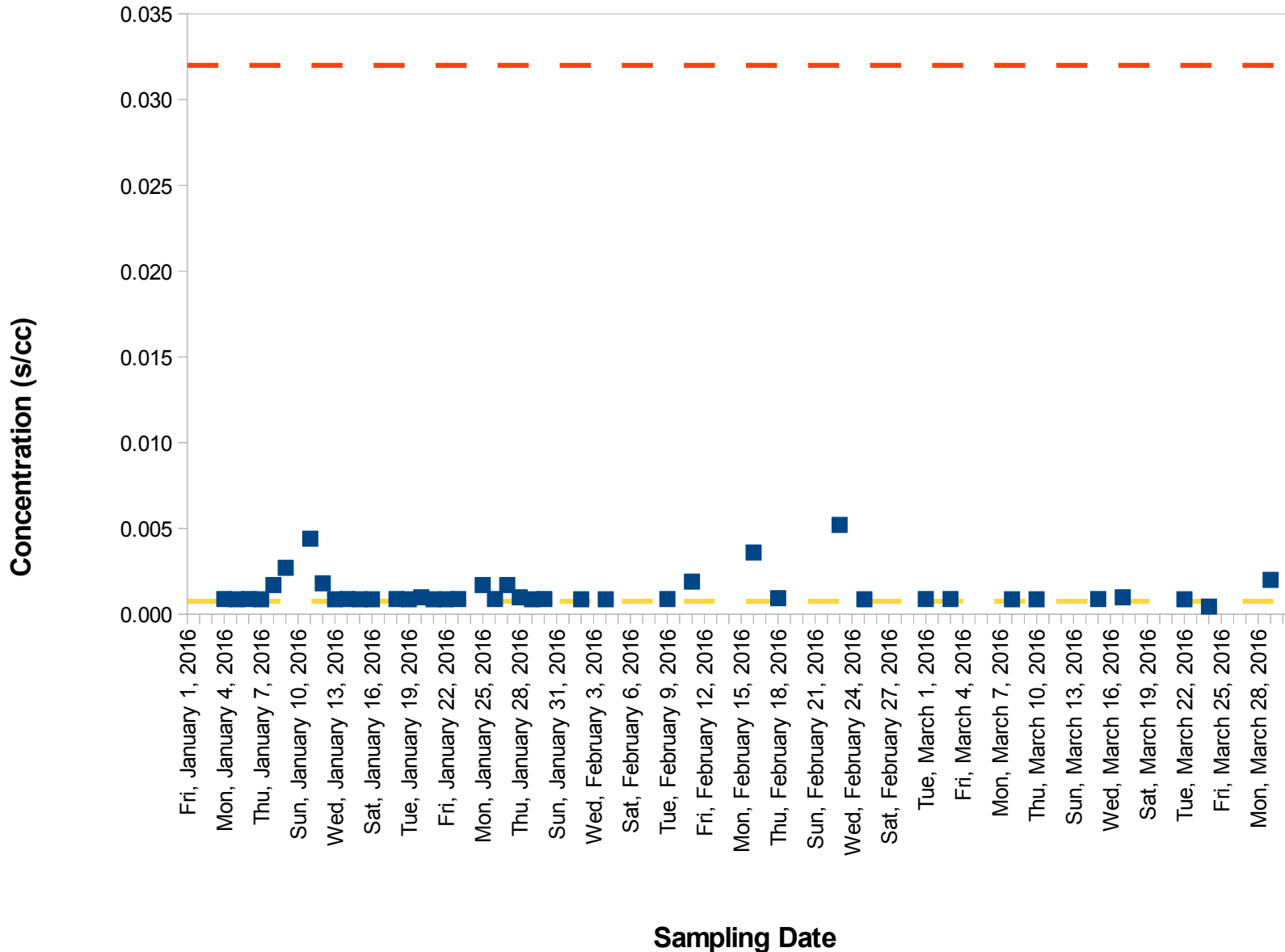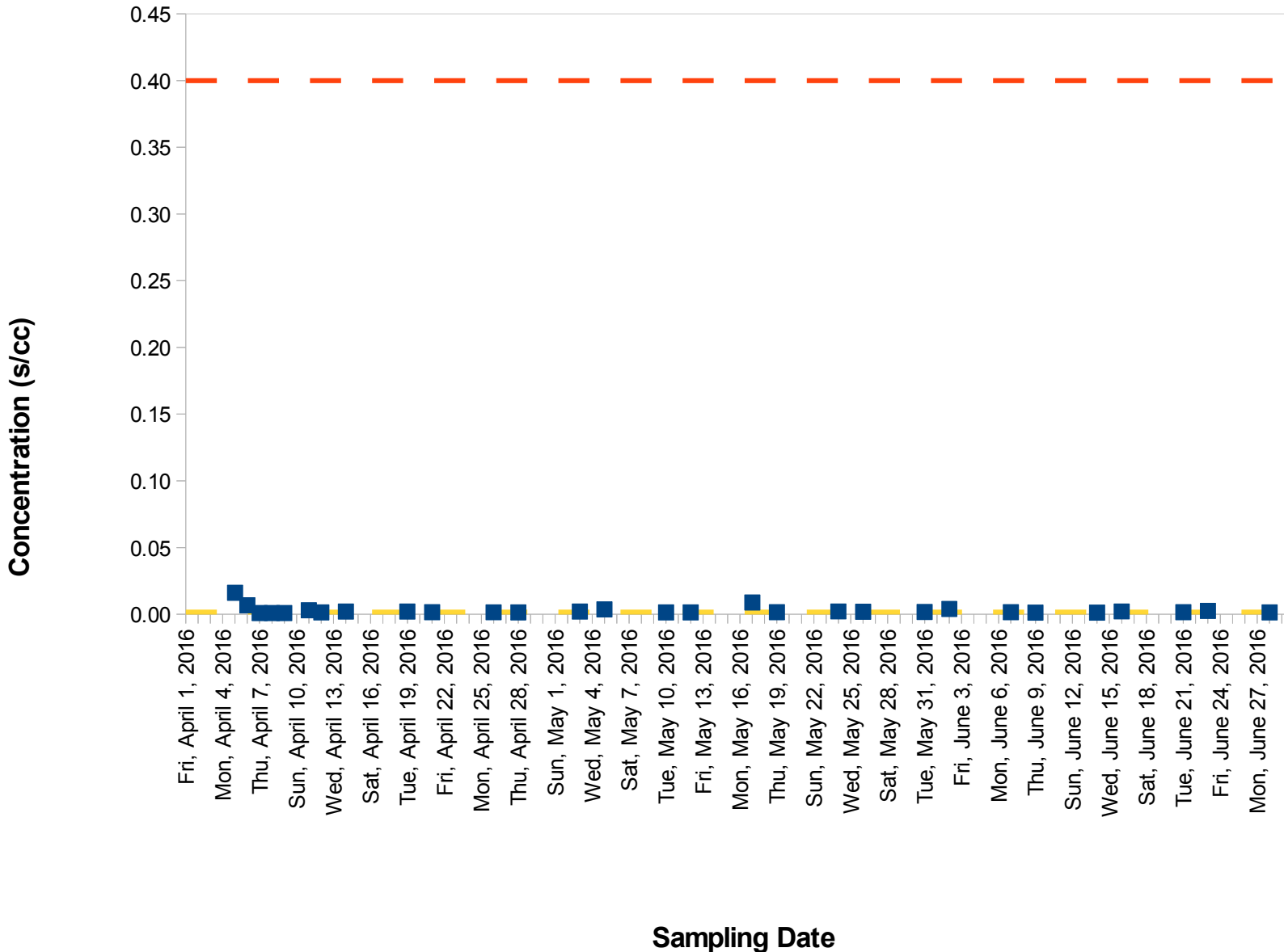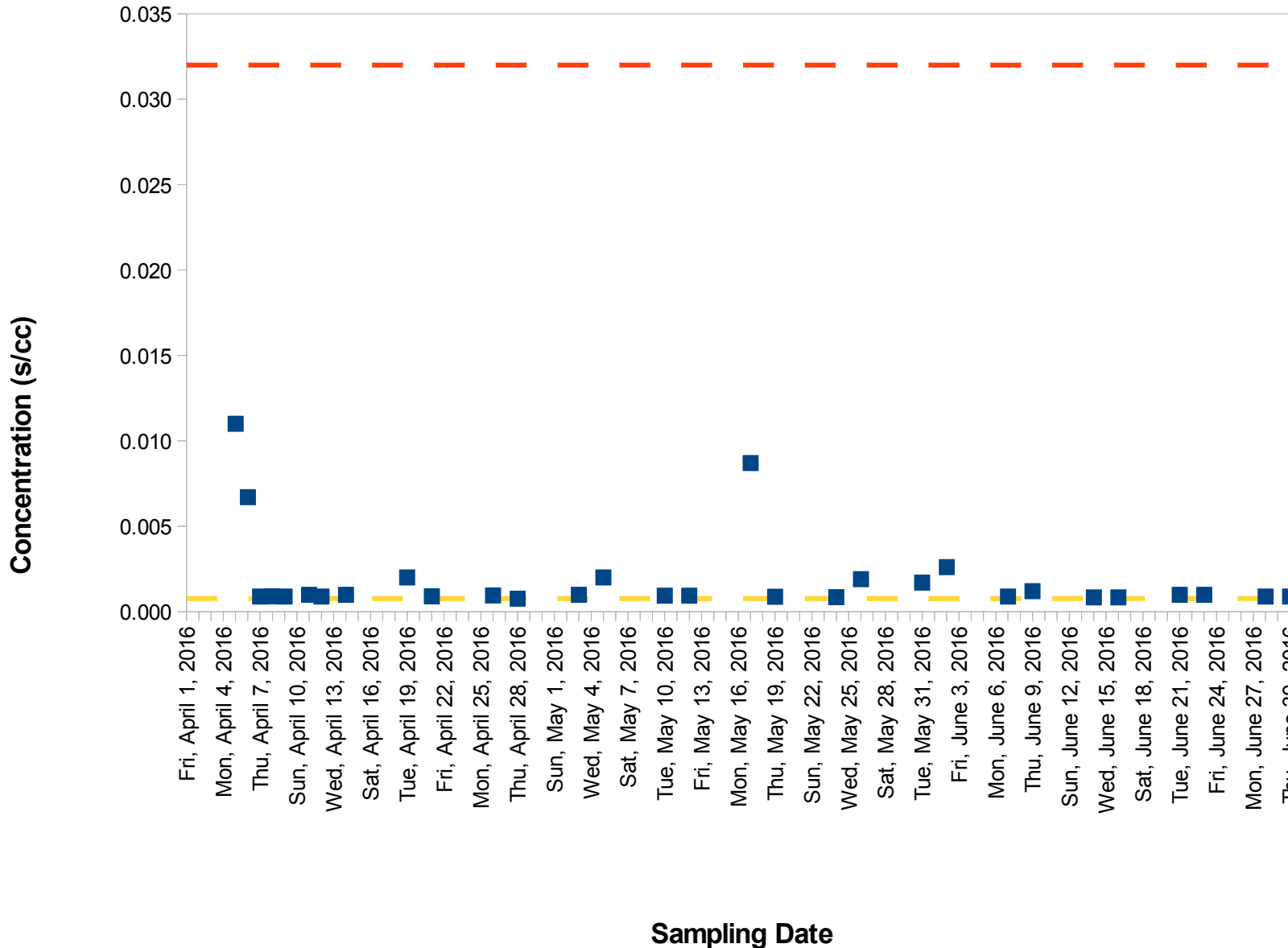Concentration that, if exceeded, would result in work practice alteration

Cumulative Average
Station Average from January 2012 through March 2016

Result
24-hr Average Asbestos Concentration

Concentration (s/cc)
Asbestos Structures per Cubic Centimeter of Air

Note:
We periodically re-calculate the trigger levels and base it upon actual site data that reflect true site conditions. Most importantly, these revised trigger levels ensure that we meet the same levels of public health protectiveness - less than 1 in 100,000 increased risk to people who may visit, recreate, work or live in the areas surrounding the project site. Following the first review completed October 7, 2013, we revised the trigger levels to 0.014 s/cc for amphibole and 0.17 s/cc for total asbestos. The second review revised the trigger levels to 0.032 s/cc for amphibole and 0.40 s/cc for total asbestos, effective December 1, 2015. Therefore, the graphs showing the air monitoring results prior to December 1, 2015 are associated with the previous trigger levels, whereas the graphs with the results after this date are associated with the current trigger level. For more information about how the trigger levels were derived, please contact us.

Calaveras Dam Replacement Project
Air Monitoring Station P8
Amphibole Asbestos

Calaveras Dam Replacement Project
Air Monitoring Station P8
Total Asbestos

Calaveras Dam Replacement Project
Air Monitoring Station P8
Amphibole Asbestos

Concentration (s/cc) vs. Sampling Date

Calaveras Dam Replacement Project
Air Monitoring Station P8
Total Asbestos

Calaveras Dam Replacement Project
Air Monitoring Station P8
Amphibole Asbestos

Legend

— P8 Trigger Level
— P8 Cumulative Average
■ Result

Trigger Level
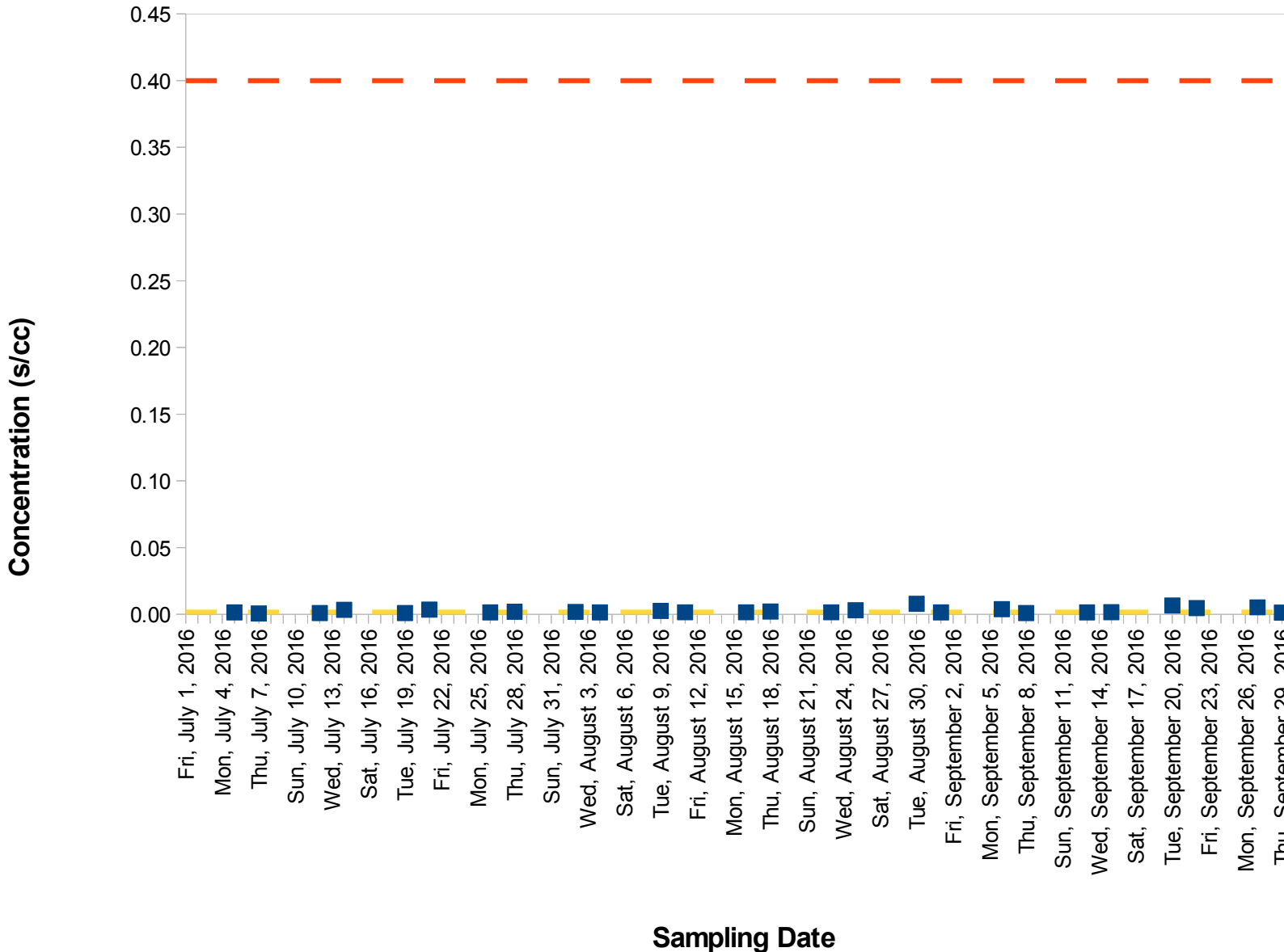Concentration that, if exceeded, would result in work practice alteration
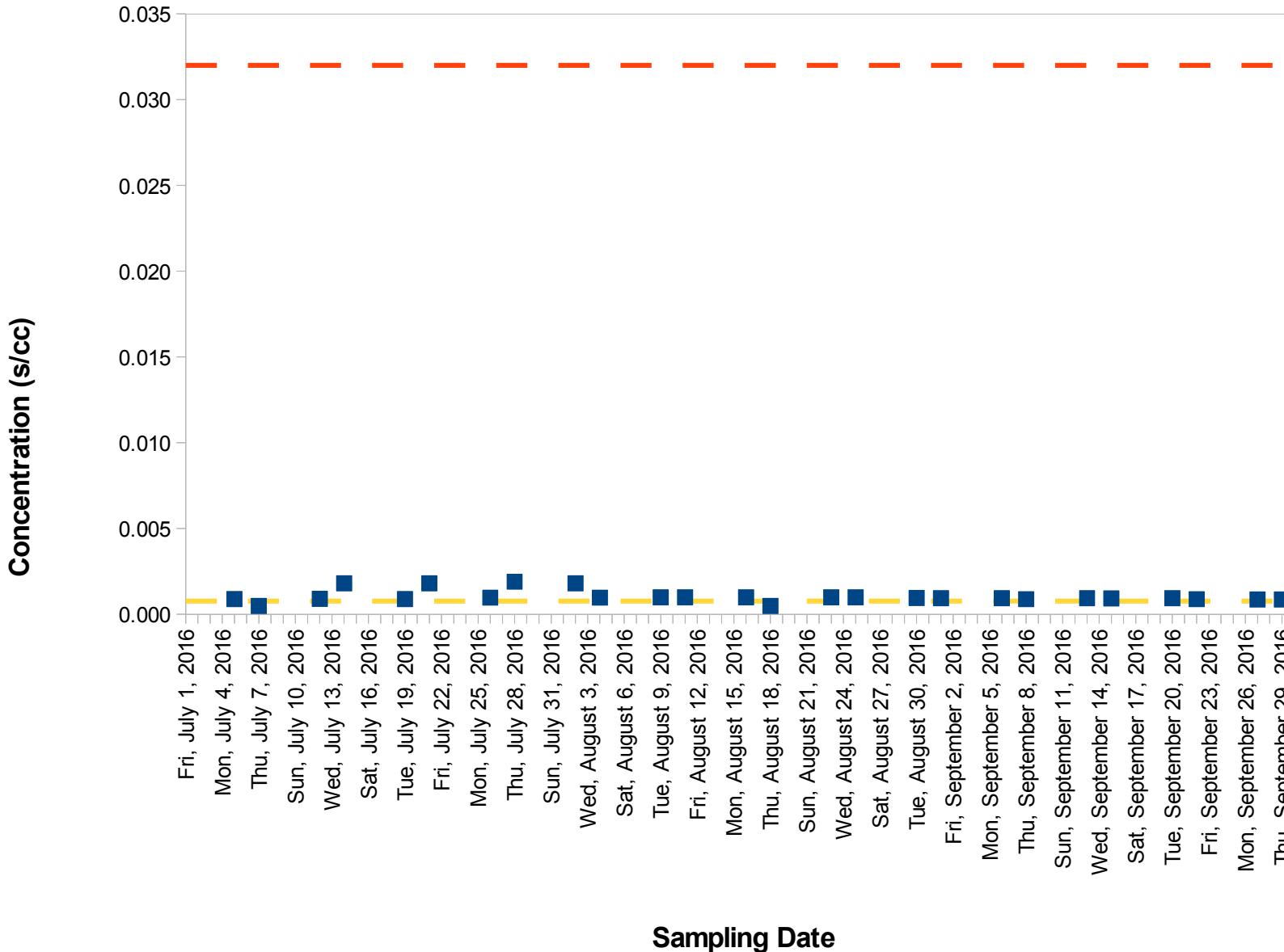**Cumulative Average**
Station Average from January 2012 through September 2016
Result
24-hr Average Asbestos Concentration
Concentration (s/cc)
Asbestos Structures per Cubic Centimeter of Air

Note:
We periodically re-calculate the trigger levels and base it upon actual site data that reflect true site conditions. Most importantly, these revised trigger levels ensure that we meet the same levels of public health protectiveness - less than 1 in 100,000 increased risk to people who may visit, recreate, work or live in the areas surrounding the project site. Following the first review completed October 7, 2013, we revised the trigger levels to 0.014 s/cc for amphibole and 0.17 s/cc for total asbestos. The second review revised the trigger levels to 0.032 s/cc for amphibole and 0.40 s/cc for total asbestos, effective December 1, 2015. Therefore, the graphs showing the air monitoring results prior to December 1, 2015 are associated with the previous trigger levels, whereas the graphs with the results after this date are associated with the current trigger level. For more information about how the trigger levels were derived, please contact us.

Calaveras Dam Replacement Project
Air Monitoring Station P8
Total Asbestos

Legend

--- P8 Trigger Level
--- P8 Cumulative Average
■ Result

Trigger Level
Concentration that, if exceeded, would result in work practice alteration
Cumulative Average
Station Average from January 2012 through December 2016
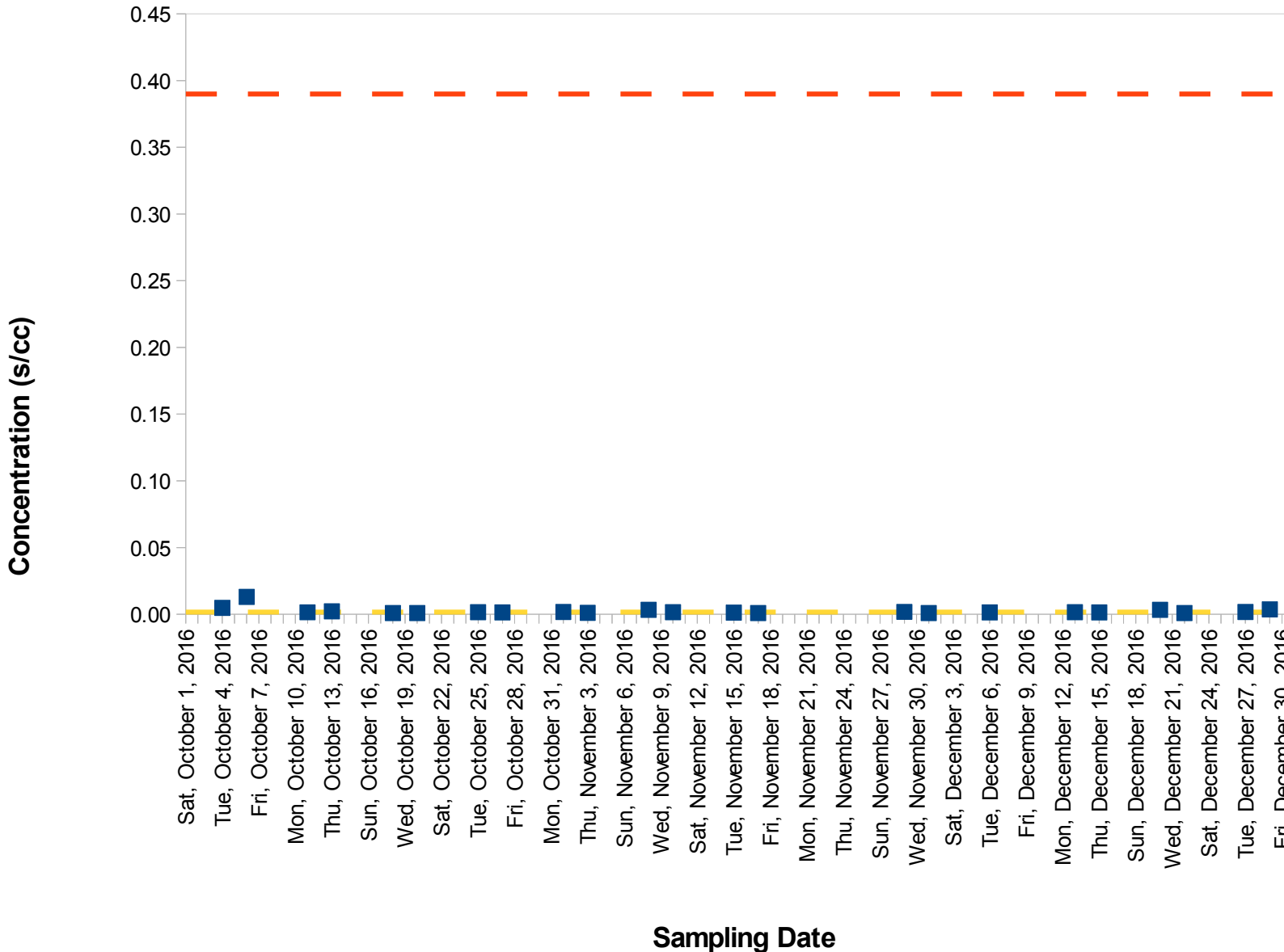**Result**
24-hr Average Asbestos Concentration
Concentration (s/cc)
Asbestos Structures per Cubic Centimeter of Air

Note:
Trigger levels (TLs) at site perimeter stations and Target Monitoring Levels (TMLs) at offsite ambient stations are periodically re-calculated by incorporating new data that reflect a change in actual site conditions. These revisions are necessary to continue to meet the same level of public health protectiveness.

On October 1, 2016 we revised both the perimeter station TLs and TMLs at ambient stations. Therefore, all graphs posted prior to this date show the previous TLs and TMLs, while the new graphs posted after this date reflect the current target level.

Calaveras Dam Replacement Project
Air Monitoring Station P8
Amphibole Asbestos