

**INTERNAL DELIBERATIVE DOCUMENT OF THE U.S. ENVIRONMENTAL PROTECTION AGENCY
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EPA-2404

Erika Sasser/RTP/USEPA/US
03/11/2008 09:25 AM

To Sara Terry
cc
bcc
Subject Re: Secondary standard method slide--need to fix

I like this version

Sara Terry/RTP/USEPA/US

Sara Terry/RTP/USEPA/US

03/11/2008 09:18 AM

To Erika Sasser/RTP/USEPA/US@EPA
cc
Subject Re: Secondary standard method slide--need to fix

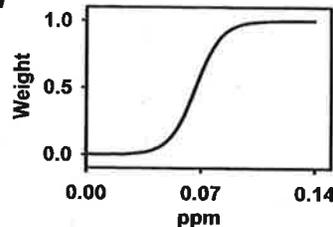
Yes, James just came by and suggested that change. In order to get everything to fit, I'm trying to avoid a redundant title. What about this:



Office of Air Quality Planning and Standards

**Steps in calculating the secondary standard
for a particular site:**

1. Measure hourly ozone (O₃) concentrations for each hour within a 12 hour period (8am-8pm).
2. Assign a weight to each hourly value based on concentration: lower concentrations receive less weight than higher concentrations.
3. Sum the 12 weighted hourly values to calculate a daily value.
4. Repeat steps 1-3 for each day within the ozone season and then sum the daily values to calculate the monthly value.
5. Identify the consecutive 3-month period whose monthly values produce the highest total.
6. This total becomes the seasonal value for this site.
7. Average the seasonal value over three consecutive years.



Example of weighting over 5-hour period:

Hourly O ₃ (ppm)	Weight	Weighted Hourly Value
0.030	0.009	0.000
0.050	0.110	0.005
0.060	0.303	0.018
0.080	0.844	0.067
0.100	0.985	0.098

SUM: 0.188 ppm-hrs

Daily value =
Sum of values over 12 daylight hours 12

Thanks,
Sara
Erika Sasser/RTP/USEPA/US

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Erika Sasser/RTP/USEPA/US

03/11/2008 09:15 AM

To Sara Terry/RTP/USEPA/US@EPA, James
Hemby/RTP/USEPA/US@EPA

cc

Subject Secondary standard method slide--need to fix

Hi -- just went and looked at the latest version of the briefing, and it looks like we don't have the 3-year average part of the W126 explained on the "Calculating the Secondary Standard" slide. Need to add a bullet at the bottom saying "Average the seasonal values for each of three consecutive years to determine whether the site meets the standard level of 21 ppm-hrs" or something to that effect.