

DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENT  
 AIR QUALITY DIVISION  
 ACTIVITY REPORT: Reg. Applicability Determination

P035518188

FACILITY: KAR NUT PRODUCTS COMPANY (Kar's Nuts)		SRN / ID: P0355
LOCATION: 1200 E 14 MILE ROAD, MADISON HTS		DISTRICT: Southeast Michigan
CITY: MADISON HTS		COUNTY: OAKLAND
CONTACT: Bill Leva , Director of Operations		ACTIVITY DATE: 06/18/2012
STAFF: Robert Elmouchi	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Compliance determination.		
RESOLVED COMPLAINTS:		

On Monday, June 18, 2012, the AQD received requested information regarding the heat input rating of the oil heaters used in the roasting room. The oil heaters are rated at 1,700,000 Btu per hour and are fired only with sweet natural gas. The Btu heat input value appears to indicate that the roasting process is exempt from the requirements of R 336.1201 per R 336.1282(a)(v) because the oil heaters are rated less than 10,000,000 Btu per hour and because the product is either coated with a sweet substance or mixed with sweet items for human consumption.

NAME Robert Elmouchi DATE 6/18/12 SUPERVISOR CJE

**Elmouchi, Robert (DEQ)**

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**From:** Bill Leva <bleva@karsnuts.com>  
**Sent:** Monday, June 18, 2012 3:44 PM  
**To:** Elmouchi, Robert (DEQ)  
**Subject:** Heat Exchanger BTUs-Kar's

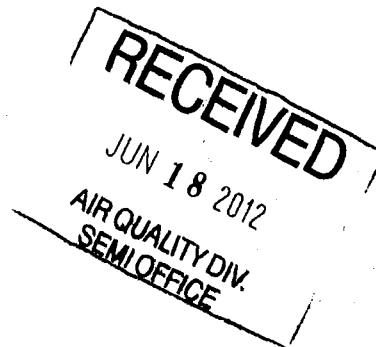
Bob:

Each individual heat exchanger unit is rated for a natural gas consumption of 1,700 SCFH and a rating of 1,700,000 BTU's at Kar's.

Any questions, please call Kevin Foster at 248-588-1903, x-416.

Thanks,

Bill Leva  
Director of Operations  
Kar's Nuts



Kar's Nuts  
P 0355

**Elmouchi, Robert (DEQ)**

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**From:** William Leva <bill8@aol.com>  
**Sent:** Tuesday, June 12, 2012 1:49 PM  
**To:** Elmouchi, Robert (DEQ)  
**Subject:** Kar's Nuts Oil Mass Balancing  
**Attachments:** oil\_mass\_balancing.xlsx

Robert:

I am using my personal email since I'm out of the office today.

As discussed last thursday, I have put together an excel spreadsheet on our cottonseed oil for 2012.

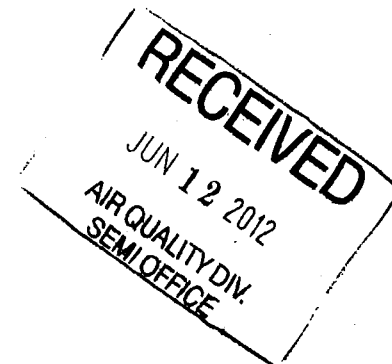
We are trending slightly higher than last year so I increased the total cooking pounds and cottonseed oil purchases. I also took a worst case scenario at .5% through the stack.

It should be self explanatory, but if you have any questions, please feel free to call me at 248-588-1903, ext. 251.

Thanks and good meeting you last week.

Bill Leva  
Director of Operations  
Kar's Nuts

William Leva  
[bill8@aol.com](mailto:bill8@aol.com)



Kar's Nuts  
 Oil Usage-Mass Balancing  
 8-Jun-12

11,000,000	550,000
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Criteria	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
Weeks	4	4	5	4	5	4	4	5	4	5	4	4	
Pounds Cooked	846154	846154	1057692	846154	1057692	846154	846154	1057692	846154	1057692	846154	846154	11000000
Cottonseed Oil Purchases	42308	42308	52885	42308	52885	42308	42308	52885	42308	52885	42308	42308	550000
Oil Absorption in Nuts	39405	39405	49257	39405	49257	39405	39405	49257	39405	49257	39405	39405	512270
Oil Burn-off thru Stack	212	212	264	212	264	212	212	264	212	264	212	212	2750
Waste Oil to Renderer	2692	2692	3365	2692	3365	2692	2692	3365	2692	3365	2692	2692	35000

*Note:*  
 Jun - Dec.  
 are projections  
 based on trend.

*(C)*