Exhibit H

Stormwater Management Report

(Including Drainage Analysis –

Review of Pre-And Post-Development Runoff At The Project Site)

- APPENDIX E –

Water Quality Volume Calculations

WATER QUALITY VOLUME CALCULATIONS
FOR
BETHLEHEM SOLAR ONE & TWO, LLC
78 THOMSON ROAD, BETHLEHEM, CT

$$WQV = \frac{(1")(R)(A)}{12}$$

where: WQV = water quality volume (ac-ft)
R = volumetric runoff coefficient = 0.05+0.009(I)
I = percent impervious cover
A = site area in acres

V=WQV+((P)(Ab)/12)

V=required basin storage volume (ac-ft)
WQV=Water Quality Volume (ac-ft)
P= design water quality precipitation (in)
Ab=basin surface area (ac)

Basin	Area (ac)	Pervious (ac)	Imperv. (ac)	I	R	WQV (ac-ft)	P (in)	Ab (ac)	V (ac-ft)	Total V Req. (cf)	V Provided (cf)
1	5.90	5.88	0.01	0%	0.05	0.03	1	0.266531	0.05	2,074	6,195
2	12.96	12.96	-	0%	0.05	0.05	1	0.266531	0.08	3,320	18,496
3 (Road)	0.09	-	0.09	100%	0.95	0.01	1	0.266531	0.03	1,274	3,093
Total	18.94	18.84	0.10	1%	0.05	0.09	1	0.266531	0.15	6,667	27,784