

## Appendix

Below are the formats for the filing fee tables required under the amendments.

**Table 1: Newly Registered and Carry Forward Securities**

	Security Type	Security Class Title	Fee Calculation or Carry Forward Rule	Amount Registered	Proposed Maximum Offering Price Per Unit	Maximum Aggregate Offering Price	Fee Rate	Amount of Registration Fee	Carry Forward Form Type	Carry Forward File Number	Carry Forward Initial Effective Date	Filing Fee Previously Paid In Connection with Unsold Securities to be Carried Forward
<b>Newly Registered Securities</b>												
Fees to be Paid	X	X	X	X	X	X	X	X				
Fees Previously Paid	X	X	X	X	X	X		X				
<b>Carry Forward Securities</b>												
Carry Forward Securities	X	X	X	X		X			X	X	X	X
	Total Offering Amounts					X		X				
	Total Fees Previously Paid							X				
	Total Fee Offsets							X				
	Net Fee Due							X				

**Table 2: Fee Offset Claims and Sources**

	Registrant or Filer Name	Form or Filing Type	File Number	Initial Filing Date	Filing Date	Fee Offset Claimed	Security Type Associated with Fee Offset Claimed	Security Title Associated with Fee Offset Claimed	Unsold Securities Associated with Fee Offset Claimed	Unsold Aggregate Offering Amount Associated with Fee Offset Claimed	Fee Paid with Fee Offset Source
<b>Rules 457(b) and 0-11(a)(2)</b>											
Fee Offset Claims		X	X	X		X					
Fee Offset Sources	X	X	X		X						X
<b>Rule 457(p)</b>											
Fee Offset Claims	X	X	X	X		X	X	X	X	X	
Fee Offset Sources	X	X	X		X						X

**Table 3: Combined Prospectuses**

Security Type	Security Class Title	Amount of Securities Previously Registered	Maximum Aggregate Offering Price of Securities Previously Registered	Form Type	File Number	Initial Effective Date
X	X	X	X	X	X	X