Appendix A: Summary of Acceptable and Pending Decisions

REFRIGERATION AND AIR CONDITIONING—ACCEPTABLE SUBSTITUTES

End-use	Substitute	Decision	Comments
CFC-11, CFC-12, CFC-113, CFC-114, CFC-115 Non-Mechanical Heat Transfer (Retrofit and New Equipment Designs/NIKs).		Acceptable.	
	Water	Acceptable.	
	Mineral Oil	Acceptable.	
CFC-13, R-13B1, and R-503 Industrial Process Re- frigeration and Very Low Temperature Refrigeration (Retrofit and New Equipment/NIKs).	R–508	Acceptable	EPA strongly recommends the containment and rec- lamation of this sub- stitute.
CFC-12 Household Refrigerators and Freezers, New Equipment/NIKs.	Ammonia absorption	Acceptable.	

REFRIGERATION AND AIR CONDITIONING—PENDING DECISIONS

Application	Substitute	Comments
All CFC–12 End-Uses Heat Transfer	HCFC-225.	EPA has requested additional data.
Motor Vehicle Air Conditioning	R-406A, HCFC Blend Delta	MVAC refrigerants will be used in accordance with use conditions, which require full notice-and-comment rulemaking.

FOAM BLOWING—PENDING SUBSTITUTES

End-use	Substitute	Comments
HCFCs, Polyurethane and Polyisocyanurate Laminated Boardstock Foam.	HFC-134a/HFC-143a Blend.	
HCFCs, Rigid Polyurethane Appliance Foam	HFC-134a/HFC-143a Blend.	
HCFCs, Rigid Polyurethane Commercial Re- frigeration, Spray and Sandwich Panel Foam.	HFC-134a/HFC-143a Blend.	
HCFCs, Rigid Polyurethane Slabstock and Other Foam.	HFC-134a/HFC-143a Blend.	
HCFCs, Polyolefin Foams	HFC-134a/HFC-143a Blend.	
HCFCs, Polyurethane Flexible Foams	HFC-134a/HFC-143a Blend.	
HCFCs, Polyurethane Integral Skin	HFC-134a/HFC-143a Blend.	

FIRE SUPPRESSION AND EXPLOSION PROTECTION—ACCEPTABLE SUBSTITUTES

End-use	Substitute	Decision	Comments
Halon 1211, Streaming Agents	Water Mist Systems using Potable or Natural Sea Water.	Acceptable.	
Halon 1301	Water Mist Systems using Potable or Natural Sea Water.	Acceptable.	
Total Flooding Agents	[Water Mist Surfactant Blend] A	Acceptable in Normally Unoccupied Areas.	

FIRE SUPPRESSION AND EXPLOSION PROTECTION PENDING SUBSTITUTES

End-use	Substitute	Comments
Halon 1211	CF ₃ I	Will be proposed acceptable in nonresidential applications in a forth- coming rulemaking.
Streaming Agents	HFC-227ea	Complete SNAP submission and personal monitoring data required.
	[Water Mist/Surfactant Blend] A	Pending review by EPA
	Water Mist with Additives	Must be individually submitted to EPA and reviewed on a case-by- case basis.
Halon 1301	[HFC Blend] A	Pending receipt of further data requested by the Agency.
Total Flooding Agents	IG–55 (formerly [Inert Gas Blend] B).	Proposed Acceptable (forthcoming).
	IG-01 (formerly [Inert Gas Blend] C).	Proposed Acceptable (forthcoming).