Company __________

Equipment Purchases:

Reactor: Type: __________ (1 or 2)
Size: __________ (capacity in kg/day or cost in $)

Separator I: Type: __________ (1 or 2)
Size: __________ (capacity in kg/day or cost in $)

Separator II: Type: __________ (1 or 2)
Size: __________ (capacity in kg/day or cost in $)

Operating Parameters:

Flow rate of $A+I$ Mixture: __________ (kg of $A+I$ per day, or write MAXIMUM*)

Fraction of Separator I bottoms to bypass Separator II**: __________

Fraction of Separator II tops to purge: __________

Company Representative: ____________________________

* You need not calculate the exact flow rate of $A+I$ mixture. If you write “MAXIMUM,” we will process as much $A+I$ mixture as possible, limited by either your equipment capacity or your cash remaining after buying equipment.

** For example, if you do not purchase a second separator, the bypass fraction equals 1. If you purchase a second separator and you want all the Separator I bottoms delivered to Separator II, the bypass fraction equals 0. If you want to discard all the Separator I bottoms, set the bypass fraction equal to 1 and the purge fraction equal to 1.
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Company ______ (hereafter known as company 1) **gives**
- ______ kg/day of reactor effluent with at least ______ % P.
- ______ kg/day of separator I bottoms with at least ______ % A.
- ______ kg/day of separator II tops + bypass with at least ______ % A.
- ______ $ cash.

and

Company ______ (hereafter known as company 2) **gives**
- ______ kg/day of reactor effluent with at least ______ % P.
- ______ kg/day of separator I bottoms with at least ______ % A.
- ______ kg/day of separator II tops + bypass with at least ______ % A.
- ______ $ cash.

**Penalties:**
If company 1 fails to deliver, a penalty of $ ______ will be paid to company 2.
If company 2 fails to deliver, a penalty of $ ______ will be paid to company 1.

**Signatures:**

Company 1 Representative: ________________________________

Company 2 Representative: ________________________________