

BFK TECHNOLOGIES INC. Tel: 920-894-1113 email: sales@bfktech.com

## **Ready Mix Concrete Reclaimer & Environmental Application Data**

Please provide answers to the questions below. Your answers will help us determine the best model to use. Name: Company: Plant Address: Tel: Fax: email: Part 1 In Part 1, we are looking to define how much waste concrete needs to be handled, and how quickly it needs to be washed thru the equipment. In order to size the equipment properly, you should base your answers on the busiest time of day (end of day, for example) and use the **largest, 'worst case' quantities** that you need to reclaim. If you use 'average' numbers, it may dictate smaller equipment than you would need to handle the busiest times, meaning that the reclaimer will not handle those busy times as effectively, slowing down your washouts. We ask for both current and future levels, to ensure that the reclaimer can handle your growth potential over the next 12-15 years. a. How many Mixer Trucks operate at this location? Now: Future: b. Annual Production at this plant? [cubic yards or meters, please indicate] Now: Future: c. Please estimate Percentage of Concrete Produced which will become waste: Future: Now: d. Based on your answers above, please estimate how much total waste concrete is washed out per day: [cubic yards or meters, please indicate. Use Maximum worst case] Future: Now: e. How many total washouts per day? [Use Maximum worst case. Some plants wash-out every truck each time it returns to the plant, others only washout at end-of-day] Now: Future: f. Please estimate Percentage of loads using pigment color dyes: g. Please estimate Percentage of loads using fiber mesh or similar materials: f. Maximum Aggregate Size: [inches or mm, please indicate]

g. How many mixer trucks need to washout at the same time [circle one] 1 2 4

Other: \_

## Part 1 continued h. How often do washouts occur? [Every "X" minutes, or "Y"-per-hour, for example. Use Maximum worst case] Future: i. Largest amount at once? [Maximum worst case, largest mixer truck capacity perhaps. Cubic yards or meters, please indicate] Future: Now: j. Describe your application requirements in more detail on additional sheets, if necessary. Part 2 In Part 2 we are looking to define your existing equipment and facility. We want to know how you currently handle your washout and left-over concrete, and what reclaimer experience you have already had, if any. ☐ Dry Batch Type of Plant: ☐ Wet Batch-Central Mix a. Please circle the item(s) that best describe how you handle your washout and waste concrete. [Circle ALL that apply] 1. We are currently operating a Reclaimer. 2. We had a reclaimer, but it is no longer in service. 3. We washout into a settling pond or bunker. 4. We pour blocks or other forms. We are able to sell all the blocks we make Excess blocks take up a lot of our yard space 5. We discharge onto the ground (windrow), let the concrete harden, and then stockpile the material for later crushing or haul-off. 6. Other (define/describe): If you circled number 1 or 2 above, please answer questions 2b through 2d. Otherwise, please skip to question 2e below. b. Please describe your Reclaimer: [manufacturer, make and model if known. Otherwise, type: i.e. auger/screw, paddle wheel, bucket wheel, drag chain, etc.]

c. How many years is/was the reclaimer in operation:

d. We were generally satisfied unsatisfied with this reclaimer. If unsatisfied, was it due to that specific reclaimer's design and operations (too much maintenance and repair requirements, doesn't provide clean reusable aggregates, etc.) or was it due to reclaiming in general (reclaimers take up too much truck time, drivers don't use properly, etc.)? Please explain:

## Part 2 continued

Skip to this point if you have never used a reclaimer at this location.

f. Describing your current washout system, what do you do with each of the following?  Rock/Coarse Agg:  Sand/Fine Agg:				
Water:				
g. We use: check all $\ \square$	Poly/Nylon Fibers	☐Steel Fiber	☐ Color/Pigments	☐Air Entrainment
issues. In most installations, cem that. The water is then re	ent is separated from the	water and disposed	ment from the slurry discha of. We'd like to find out ho t and used to wash more ind ny/all of the following that y	ow you want to accomplish coming waste concrete.
Settling Ponds  Settling ponds are the most fall out of the slurry/water shoe). They should be deep e below) help to settle solids in	tream. You also need to enough to allow some sto	be able to clean the s ckpiling to minimize	settled solids out (front-end the frequency of clean-outs	l loader, skid-steerer or
☐ Flocculants and Floc	c Feeders			
Flocculants can provide ben made shorter, or you won't				
Flocculants will also pull soli encapsulated in the flocc pa sizes of waste cement (will p to stockpile the waste ceme	rticles, thereby removing pass a Paint Filter test, im	them from the wate portant for landfill d	er. Other benefits to Floccuisposal) and dryer material,	lants include larger particle typically allowing the user
Flocculants actually scrub th devices such as filter presses			nt, minimizing plugging and	repairs, and can also aid
$\Box$ pH Adjustment				
pH adjustment systems usin future batches, or for use as	-			re allowed), for use in
Additionally, CO2 will help d	rop out suspended solids	, and will also take ca	are of pond foam caused by	air entrainment.
$\Box$ Other:				
Other technologies, such as Define:	filter presses, or			

Please answer as completely as possible, and return to BFK via Fax or Email, listed at the top of the page.