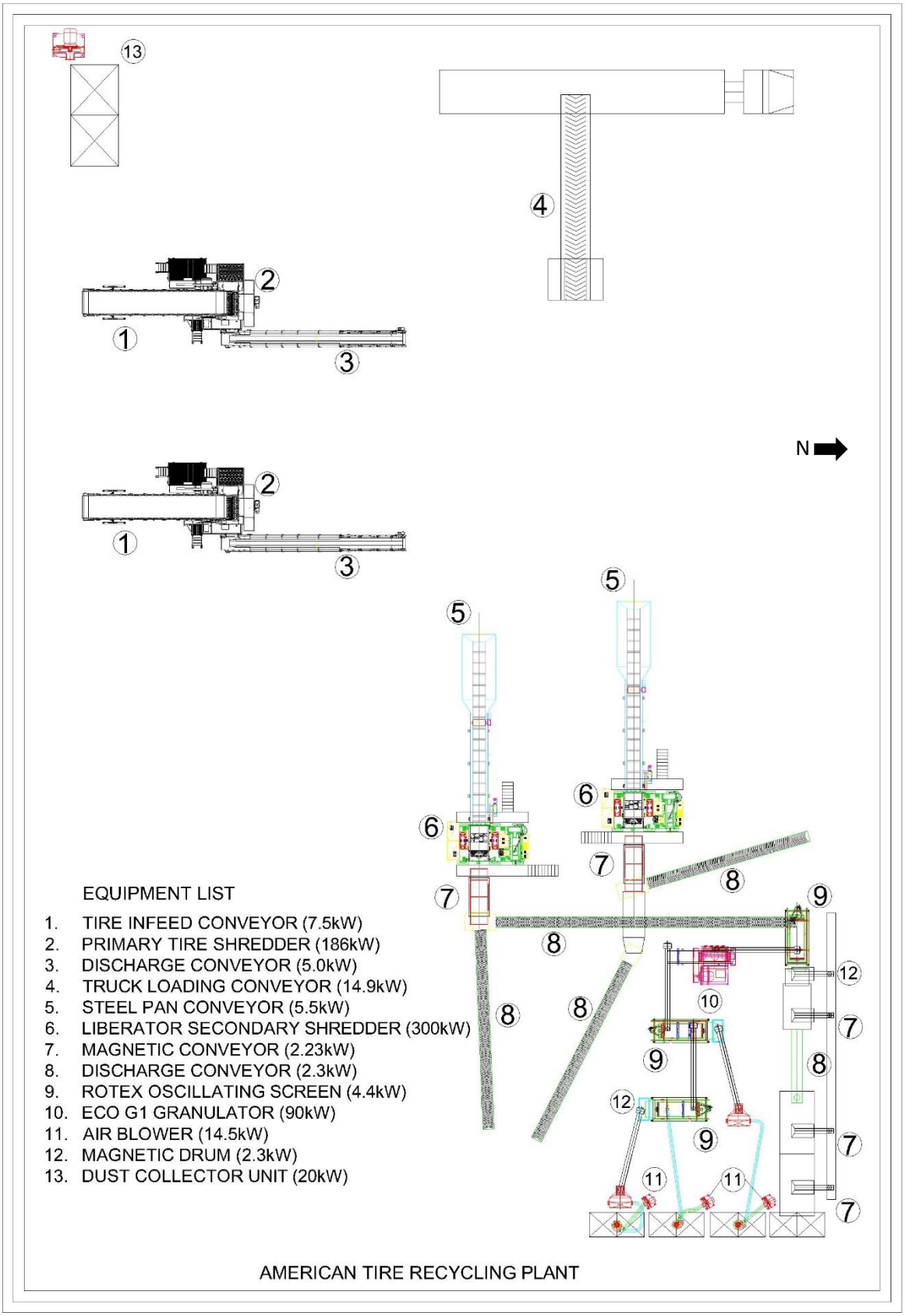
Vega, Johnny (RER)

From: Fraxedas, Ricardo <ricardo.fraxedas@amecfw.com>
Sent: Monday, October 24, 2016 4:00 PM
To: Vega, Johnny (RER); Palomino, Susana (RER)
Cc: Alejandro; Alfredo; Ana Ruiz
Subject: Emailing - ATRG RAI Response 10-24-16.pdf
Attachments: ATRG RAI Response 10-24-16.pdf

Hi Susana, Johnny,
I have attached the additional information DERM requested for the minor modification application increase in permitted production quantity for American Tire Recycling Group, LLC. Please let me know if the attached information adequately addresses the request for additional information. If a meeting or phone call to review the additional information would be helpful, we are available to schedule such a meeting. Also please advise if a hard copy of the response is required. Because the attached information is not a set of plans for proposed construction, operation, or closure, I am uncertain if "2 original sets" of the information are required.
Thanks again for all your assistance and attention during the application process.
Best regards,

amec foster wheeler

1. American Tire Recycling Plant layout with Equipment list



EQUIPMENT LIST

1. TIRE INFEED CONVEYOR (7.5kW)
2. PRIMARY TIRE SHREDDER (186kW)
3. DISCHARGE CONVEYOR (5.0kW)
4. TRUCK LOADING CONVEYOR (14.9kW)
5. STEEL PAN CONVEYOR (5.5kW)
6. LIBERATOR SECONDARY SHREDDER (300kW)
7. MAGNETIC CONVEYOR (2.23kW)
8. DISCHARGE CONVEYOR (2.3kW)
9. ROTEX OSCILLATING SCREEN (4.4kW)
10. ECO G1 GRANULATOR (90kW)
11. AIR BLOWER (14.5kW)
12. MAGNETIC DRUM (2.3kW)
13. DUST COLLECTOR UNIT (20kW)

AMERICAN TIRE RECYCLING PLANT

2. List and description of the equipment

1. TIRE INFEED CONVEYOR (7.5kW) Carries whole tires and delivers them into The Primary Shredder

2. PRIMARY TIRE SHREDDER Manufacturer: COLUMBUS MAKINNON COPR, Model: CM Dual Speed Tire Shredder (186kW). Cut and shred tires in to a 3-inch tire chips

3. DISCHARGE CONVEYOR (5.0kW) Catches the 3-inch tire chips and discharges them into a stock pile

4. TRUCK LOADING CONVEYOR (14.9kW) Carries selected tire shred material to load trucks and truck trailers

5. STEEL PAN CONVEYOR (5.5kW) Carries 3-inch tire chips and carries them into the secondary shredder machine

6. LIBERATOR SECONDARY SHREDDER Manufacturer: COLUMBUS MAKINNON COPR Model: CM 4-Rotor Liberator (300kW). Crushes the shredded tires into ¾ in pieces and separates steel from rubber

7. MAGNETIC CONVEYOR (2.23kW) Extracts steel wires from the rubber as the material passes under the magnets

8. DISCHARGE CONVEYOR (2.3kW) Catches the specific material and carries them into a pile or bucket

9. ROTEX OSCILLATING SCREEN (4.4kW) Removes the remaining fiber from the rubber and separates the rubber into a different sizes depending on screen size and set up

10. GRANULATOR, Manufacturer: ECOGREEN EQUIPMENT Model: ECO G1 (90kW) Material is crushed in to a small rubber granule

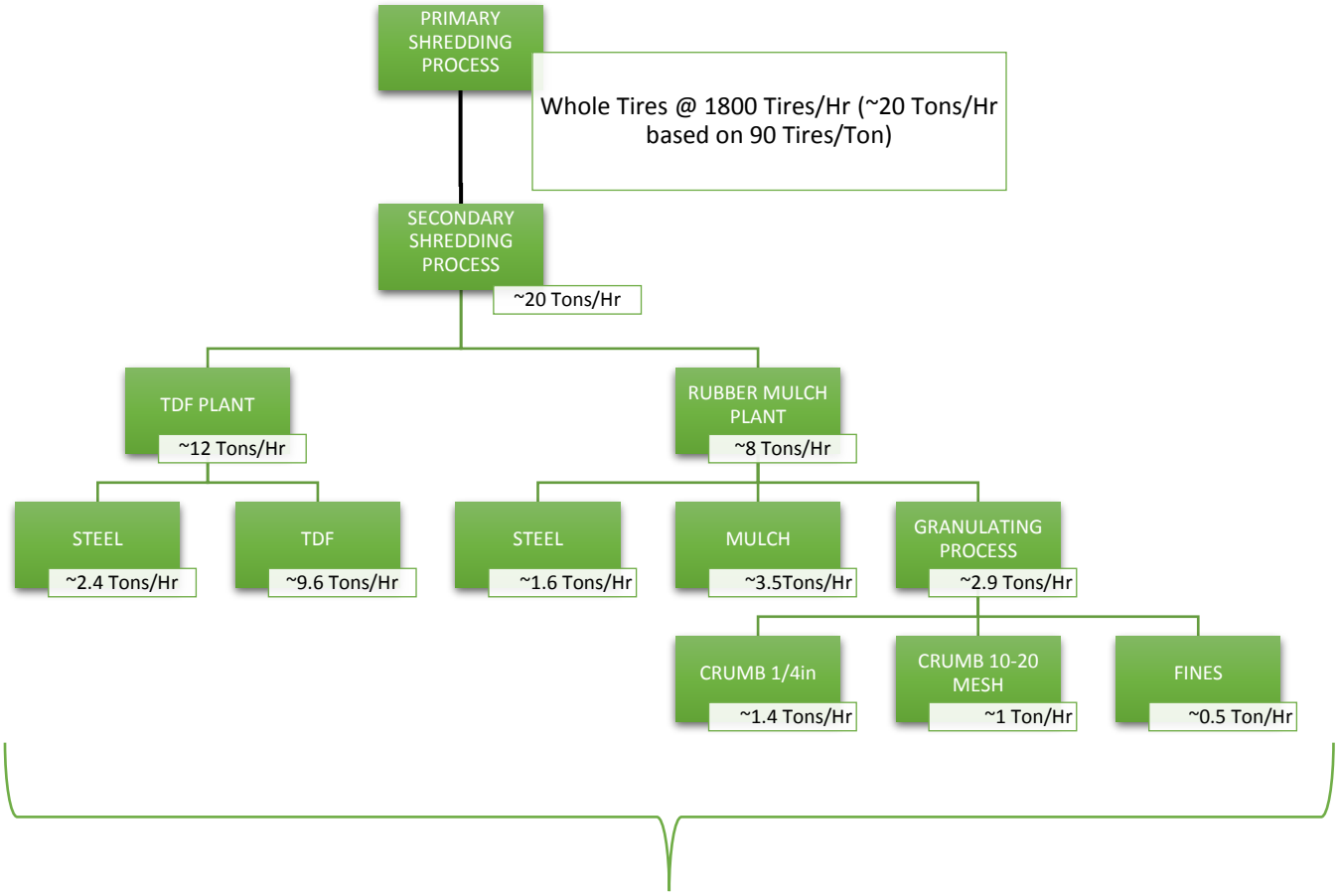
11. AIR BLOWER (14.5kW) Pneumatic conveyor that transports granules to the bagging station

12. MAGNETIC DRUM (2.3kW) Separates steel wires from rubber granules

13. DUST COLLECTOR UNIT (20kW) Creates the necessary Vacuum to collect fiber and dust from production

3. Flow chart of actual production and production installed capacities

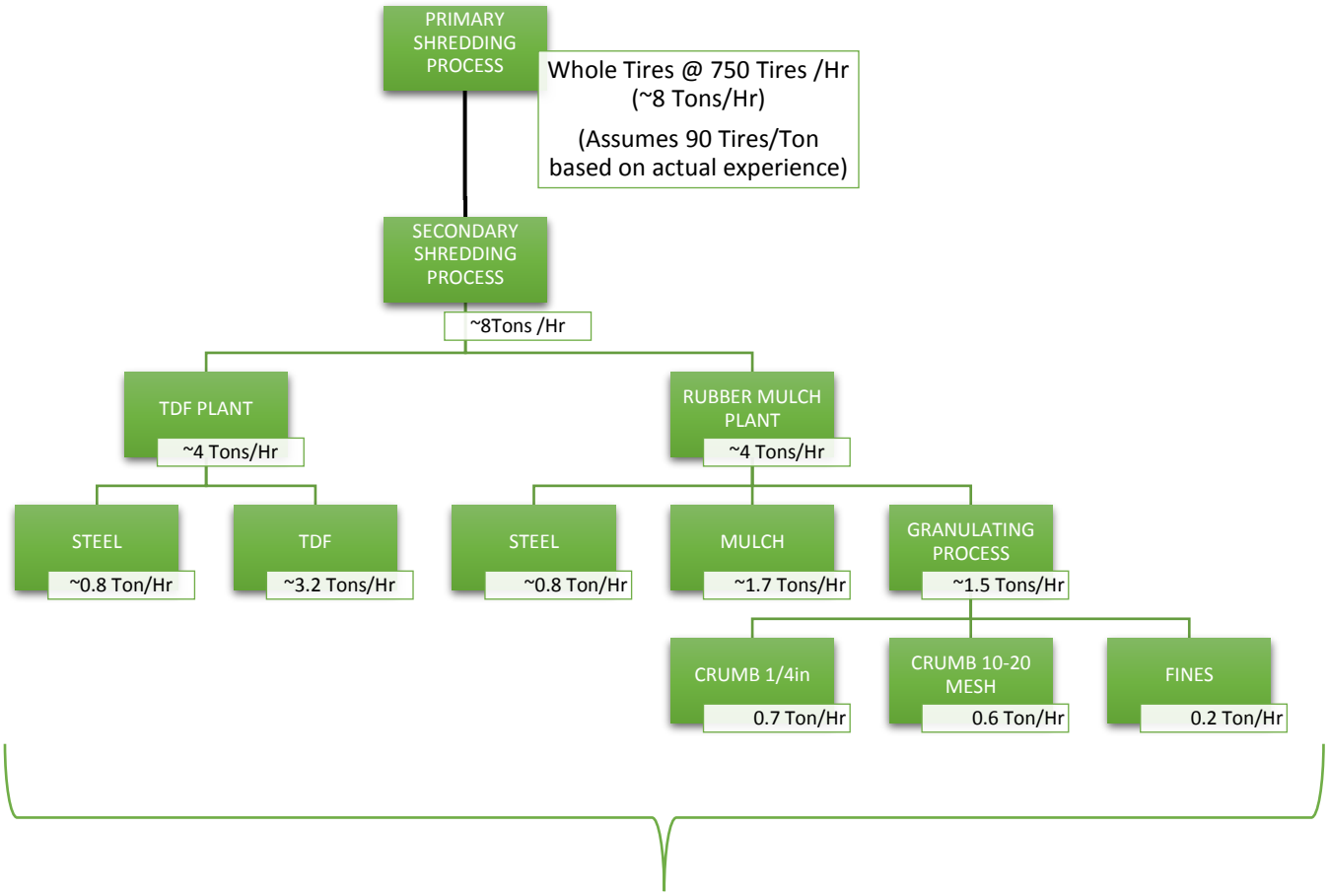
3.1- INSTALLED PLANT CAPACITIES FLOW CHART



20 TON/Hr.

SHIFT	Production Hours	Tires/8 hr. Shift	~Tons/Shift
Day	8	1800 X 8 = 14,400	~20X8=~160 Tons
Night	8	1800 X 8 = 14,400	~20X8=~160 Tons
Total	16	Tires/Day = 28,800	~320Tons

3.2- ACTUAL PRODUCTION FLOW CHART



~8 Tons/Hr.

SHIFT	Production Hours	Tires/8 hr. Shift	Tons/Shift
Day	8	750X8 = 6,000	~8X8=~64 Tons
Night	8	750X8 = 6,000	~8X8=~64 Tons
Total	16	Tires/Day = 12,000	~128 Tons /day

4. Annual production chart

Actual numbers (Tons)

COMPONENT	%WEIGTH	T/HOUR	T/DAY*	T/MONTH	T/YEAR
RUBBER	79%	6.3	100	2.100	25.200
STEEL	20%	1.6	25	525	6.300
NYLON FIBER & FINES	1%	0.1	1.6	33	396
TOTAL	**100%**	**8**	**126.6**	**2.658**	**31.896**

Notes:

1. Operating hours based on a 16hr/day 2 working shift
2. 21 production days per month
3. 12-month full operation per year

Future projection numbers (Tons)

COMPONENT	%WEIGTH	T/HOUR	T/DAY*	T/MONTH	T/YEAR
RUBBER	79%	15.9	254.4	5.342	64.104
STEEL	20%	3.9	62.4	1.310	15.720
NYLON FIBER & FINES	1%	0.2	3.2	67	804
TOTAL	**100%**	**20**	**320**	**6719**	**80.628**

Notes:

1. Operating hours based on a 16hr/day 2 working shift
2. 21 production days per month
3. 12-month full operation per year
4. Tire weight varies dependent on mix of auto / truck tires (per tire weights vary from ~20 lbs. to ~23 lbs. per tire.