

November 5, 1992

Mr. Mike Black - President
Roller Coaster Corporation of America
5437 Spaulding Drive
Norcross, Georgia 30071

Dear Mike:

Here is the information you requested on the Rattler incidents since July. As we polled the data we thought we saw some interesting correlations so we included some of our observations, which are on the first two sheets.

I hope you find this information useful. If you need more or different data, please give me a call.

Sincerely,
John A. Hoover
Operations Manager

LOCATION OF INJURY

51.4%	1ST DROP
8%	FAN CURVE
7%	Q-LINE, STATION, EXIT, TRANSFERABLE
2%	TUNNEL
1-2%	HELIX

28% - Cannot recall where, but because of similarities in nature with other reported injuries one can assume they occurred on 1st drop or fan curve.

BREAKDOWN OF INJURY TYPE ON FIRST DROP

- Of those 51% of total injuries that occurred on 1st drop:

31%	NECK
20.9%	BACK
6.8%	NECK/BACK
36%	HEAD (bloody nose, knot on head, mouth injury)
7%	OTHER

* Things that stood out: Majority of neck and back injuries happened to women who experienced pain to the right side of neck or back.

* Also, injuries might be further pin pointed to curve after 1st drop and lift to fan curve.

* Head and face injuries: Cuts on noses, people wearing glasses trying to slide them back on during ride. Women/ children (9-12 yrs.) trying to duck in seat and/or hide.

BREAKDOWN OF INJURY TYPE IN THE FAN CURVE:

30.4% NECK
 34.8% BACK
 21.7% HEAD, FACE (from lateral movement, striking other
 persons heads, head laceration, hit head
 on back of seat).
 1.3% OTHER

BREAK DOWN OF INJURIES TO ROW WHERE GUEST SAT

1 - 2
 2 - 6 19 18%
 3 - 4
 4 - 7
 5 - 2
 6 - 9
 7 - 3 29 + 20 = 49 MIDDLE 46%
 8 - 11 all they could recall was they were
 9 - 4 sitting in middle sections.
 10 - 6
 11 - 3
 12 - 13 38 36%
 13 - 3
 14 - 19

* Small framed people: Women (28-45), Children (9-14)

BREAK DOWN NUMBER OF INJURIES TO ROW WHERE GUEST SAT
 (axle seats vs non axle)

77% of all injuries reported w/confirmed seating
 occurred in even seats (axle seats):
 30.9% BACK
 30.9% NECK
 5.5% BACK AND NECK
 32.4% OTHER (bloody nose, knot on head, head laceration,
 mouth injury or injury to extremities (bruises,
 cuts, etc.)

22.5% of all injuries reported w/confirmed seating
 occurred in odd seats (non axle seats)
 14.3% BACK
 42.9% NECK
 0% BACK AND NECK
 42.9% OTHER (bloody nose, knot or head, head laceration,
 mouth injury or injury to extremities (bruises,
 cuts, etc.)

ANALYSIS OF INCIDENTS ON THE RATTLER
 7/01/92 - 7/10/92

DATE	NATURE OF INJURY	LOCATION OF INJURY	CAR/SEAT/ROW
7/1/92	FAINT/NAUSEA	Q-LINE	UNK
7/2/92	FAINT	Q-LINE	UNK
7/2/92	NOSE	1ST DROP	UNK

7/2/92	NOSE	1ST DROP	UNK
7/2/92	LIP	UNK	UNK
7/3/92	FAINT	Q-LINE	UNK
7/4/92	HEAT EXHAUSTION	Q-LINE	UNK
7/4/92	LIP	UNK	UNK
7/5/92	BACK	2ND DROP	UNK
7/5/92	HAND	HELIX	UNK
7/5/92	NECK	1ST DROP	UNK
7/5/92	ELBOW	UNK	UNK
7/6/92	NOSE (cut)	1ST DROP	UNK
7/7/92	LIP (bit)	UNK	UNK
7/7/92	NECK	1ST DROP	UNK
7/8/92	NOSE	UNK	UNK
7/9/92	NECK	1ST DROP	UNK
7/10/92	NOSE	1ST DROP	UNK
7/10/92	TONGUE (bit)	UNK	UNK
7/10/92	ELBOW	UNK	UNK
7/10/92	NOSE	1ST DROP	UNK

ANALYSIS OF INCIDENTS ON THE RATTLER

7/11/92 - 7/15/92

7/11/92	BEE STING	Q-LINE	UNK
7/11/92	LOWER BACK	1ST DROP	UNK
7/11/92	HEAT EXHAUSTION	UNK	UNK
7/11/92	NOSE	1ST DROP	UNK
7/12/92	TOOTH	UNK	UNK
7/13/92	NECK	1ST DROP	UNK
7/13/92	BACK	1ST DROP	UNK
7/13/92	ARM	1ST DROP	UNK
7/13/92	BACK SPINAL	1ST DROP	UNK
7/13/92	NECK	1ST DROP	UNK
7/13/92	NECK/BACK	1ST DROP	UNK
7/13/92	NECK	1ST DROP	UNK
7/13/92	NECK	1ST DROP	UNK
7/13/92	NECK	1ST DROP	UNK
7/13/92	BACK	ENTIRE RIDE	UNK
7/14/92	NECK/BACK	1ST DROP	UNK
7/14/92	HEAD	1ST DROP	#1
7/14/92	NECK UPPER BACK	1ST DROP	#8
7/15/92	CUT NOSE	1ST DROP	UNK
7/15/92	BACK	1ST DROP	UNK
7/15/92	FAINT	Q-LINE	UNK
7/15/92	CUT KNEE	UNK	UNK

ANALYSIS OF INCIDENTS ON THE RATTLER

7/17/92 - 7/25/92

7/17/92	HEAD	1ST DROP	UNK
7/17/92	NOSE	1ST DROP	UNK
7/17/92	FACE	1ST DROP	UNK
7/17/92	ARM/FACE	UNK	UNK
7/18/92	NOSE	1ST DROP	#10
7/18/92	HEAD INJURY	UNK	UNK
7/19/92	HEAD INJURY	1ST DROP	#12

7/19/92	NOSE	UNK	UNK
7/19/92	ELBOW	1ST DROP	#14
7/20/92	FOOT INJURY (LAP BAR)	STATION	#9
7/20/92	HEAD INJURY	1ST DROP	UNK
7/21/92	BUSTED LIP	1ST DROP	UNK
7/22/92	NOSE	STATION	UNK
7/23/92	BUSTED LIP	1ST DROP	UNK
7/23/92	HEAD INJURY	UNK	UNK
7/23/92	HEAD/NECK	1ST DROP	UNK
7/24/92	BUSTED LIP	TUNNEL	UNK
7/25/92	HEAD EXHAUSTION	PHOTO CENTER	UNK
7/25/92	HEAD INJURY	TUNNEL	#12
7/25/92	HEAD INJURY	1ST DROP	UNK
7/25/92	BUSTED LIP	TUNNEL	UNK
7/25/92	HEAT EXHAUSTION	UNK	UNK
7/25/92	BRUISED HEAD	UNK	UNK
7/25/92	HEAT EXHAUSTION	UNK	UNK

ANALYSIS OF INCIDENTS ON THE RATTLER

7/26/92 - 7/31/92

7/26/92	BRUISED RIB	UNK	UNK
7/26/92	FOOT (CAUSED BY LAP BAR)	STATION	#9
7/26/92	BLOODY NOSE	1ST DROP	UNK
7/26/92	NECK	1ST DROP	UNK
7/26/92	NECK	1ST DROP	UNK
7/26/92	BACK	1ST DROP	UNK
7/27/92	NOSE/TONGUE	UNK	UNK
7/27/92	BACK	1ST DROP	UNK
7/27/92	BACK	1ST DROP	UNK
7/28/92	NOSE	1ST DROP	UNK
7/28/92	NECK	1ST DROP	UNK
7/28/92	BACK	1ST DROP	UNK
7/28/92	NOSE	1ST DROP	UNK
7/28/92	BUSTED LIP (bit tongue)	1ST DROP	UNK
7/29/92	HEAD/NECK	1ST DROP	UNK
7/29/92	HEAD/NECK	1ST DROP	#14
7/30/92	BACK OF HEAD	1ST DROP	UNK
7/31/92	KNEE (cut)	2ND DROP	UNK
7/31/92	FOREHEAD (cut)	1ST DROP	UNK

ANALYSIS OF INCIDENTS ON THE RATTLER

8/01/92 - 8/07/92

8/1/92	NECK	1ST DROP	UNK
8/1/92	NECK	1ST DROP	UNK
8/1/92	NOSE	UNK	UNK
8/1/92	FOREHEAD - CUT	1ST DROP	UNK
8/1/92	NECK/L LEG	1ST DROP	
8/1/92	NECK/BACK	UNK	#2
8/1/92	NOSE	1ST DROP	UNK
8/1/92	NOSE	FAN CURVE	UNK
8/2/92	ARM	ENTIRE RIDE	UNK
8/2/92	NECK	UNK	#8
8/3/92	HEAT EXHAUSTION	UNK	UNK

8/3/92	NECK	1ST DROP	UNK
8/4/92	KNEE (EMPLOYEE)	TRANSFER TABLE	UNK
8/4/92	LIP	1ST DROP	UNK
8/5/92	NECK	BEFORE TUNNEL	#12
8/5/92	ELBOW	CURVES	UNK
8/5/92	NOSE	1ST DROP	UNK
8/7/92	HEAT EXHAUSTION	Q LINES	UNK
8/7/92	NECK/BACK	1ST DROP	UNK
8/7/92	ELBOW	UNK	UNK

ANALYSIS OF INCIDENTS ON THE RATTLER
8/8/92 - 8/16/92

8/8/92	NOSE (FREQUENT BLEEDER)	UNK	UNK
8/8/92	NOSE	1ST DROP	UNK
8/9/92	BACK	CURVES	UNK
8/10/92	BACK	1ST DROP	UNK
8/10/92	NECK	1ST DROP	UNK
8/10/92	BACK	FAN CURVE	#2
8/11/92	NECK	1ST DROP	UNK
8/11/92	NECK	1ST DROP	UNK
8/11/92	NOSE	1ST DROP	UNK
8/11/92	BACK	FAN CURVE	UNK
8/13/92	BACK	UNK	UNK
8/14/92	NECK	1ST DROP	#4
8/14/92	NECK	1ST DROP	#12
8/14/92	NECK	UNK	#4
8/15/92	ELBOW	FAN CURVE/HELIX	#7
8/15/92	NECK	1ST DROP	UNK
8/16/92	NECK	UNK	#14
8/16/92	NERVES/HEAT RELATED	UNK	UNK
8/16/92	HEAD	1ST DROP	#13
8/16/92	BACK	UNK	UNK
8/16/92	NECK	1ST DROP	#14

ANALYSIS OF INCIDENTS ON THE RATTLER
8/17/92 - 8/22/92

8/17/92	NECK	FAN CURVE	UNK
8/17/92	BACK	1ST DROP	#14
8/17/92	LIP/NOSE	1ST DROP	UNK
8/17/92	NECK	FAN CURVE	#12
8/18/92	NECK	UNK	UNK
8/19/92	NECK	1ST DROP	MIDDLE
8/19/92	ELBOW	1ST DROP	UNK
8/20/92	NECK	UNK	#2
8/20/92	NECK/ARM	UNK	FRONT MIDDLE
8/20/92	BACK	UNK	UNK
8/20/92	NECK/BACK	UNK	FRONT MIDDLE
8/20/92	NECK/BACK	1ST DROP	UNK
8/20/92	CUT FOREARM	UNK	UNK
8/21/92	NECK	1ST DROP	MIDDLE
8/22/92	RIBS	CURVES	MIDDLE
8/22/92	HIPS	1ST DROP	#14
8/22/92	SHOULDER	UNK	MIDDLE

8/22/92	SCAB CAME OFF KNEE	UNK	UNK
8/22/92	ELBOW	UNK	#8/#10
8/22/92	BACK	1ST DROP	MIDDLE
8/22/92	HEAD	1ST DROP	UNK

ANALYSIS OF INCIDENTS ON THE RATTLER

9/1/92 - 9/9/92

9/1/92	SHOULDER	UNK	UNK
9/1/92	NOSE	1ST DROP	#4
9/1/92	NECK	CURVES	#2
9/1/92	NECK	UNK	UNK
9/1/92	NECK	1ST DROP	MIDDLE
9/1/92	BACK	UNK	UNK
9/1/92	EAR	1ST DROP	UNK
9/2/92	NECK	FAN CURVE	UNK
9/3/92	RIBS	ENTIRE RIDE	MIDDLE
9/3/92	HEAD	Q-LINES	UNK
9/4/92	NECK	1ST DROP	MIDDLE FRONT
9/4/92	NECK	1ST DROP	#9
9/4/92	BACK	1ST DROP	UNK
9/5/92	ELBOW	1ST DROP	#14
9/5/92	NECK	1ST DROP	#6
9/5/92	BACK PAIN	1ST DROP	UNK
9/5/92	NOSE BLEED	1ST DROP	#6
9/5/92	NECK	UNK	#3
9/6/92	HEAD/NOSE	1ST DROP	UNK
9/6/92	NOSE BLEED	1ST DROP	#5
9/6/92	BLODDY NOSE	1ST DROP	UNK
9/6/92	MID BACK	UNK	#10
9/6/92	PASSED OUT	UNK	UNK
9/9/92	SHOULDER	1ST DROP	#14
9/9/92	NECK	1ST DROP	UNK

ANALYSIS OF INCIDENTS ON THE RATTLER

9/10/92 - 9/25/92

9/10/92	NOSE BLEED	1ST DROP	UNK
9/10/92	NECK	UNK	UNK
9/10/92	BACK	UNK	UNK
9/11/92	LOWER BACK	FAN CURVE	UNK
9/12/92	LEG (ANTS)	EXIT	UNK
9/13/92	HEAD	HELIX	#14
9/18/92	NOSE	1ST DROP	UNK
9/18/92	HEAD	1ST DROP	#11
9/19/92	NECK	1ST DROP	#4
9/19/92	CHEST (LOST BREATH)	FAN CURVE	UNK
9/19/92	NECK	TUNNEL	#13
9/19/92	NECK	ENTIRE RIDE	#8
9/19/92	BACK	1ST DROP	#4
9/20/92	NOSE	1ST DROP	UNK
9/20/92	BRUISE ARM	UNK	UNK
9/20/92	NOSE	1ST DROP	UNK
9/20/92	NOSE	1ST DROP	#6
9/21/92	NECK	1ST DROP	#14

9/23/92	BACK, NECK, HIP	UNK	UNK
9/24/92	LOWER BACK	UNK	UNK
9/24/92	UPSET STOMACH	1ST DROP	UNK
9/25/92	CUT EYE	UNK	UNK

ANALYSIS OF INCIDENTS ON THE RATTLER

9/26/92 - 9/29/92

9/26/92	BACK	UNK	UNK
9/26/92	BACK	1ST DROP	#4
9/26/92	BACK	1ST DROP	#12
9/26/92	BACK	1ST DROP	UNK
9/26/92	NECK	HELIX	#10
9/26/92	ELBOW	UNK	UNK
9/26/92	BLOODY NOSE	1ST DROP	UNK
9/26/92	BACK	UNK	UNK
9/27/92	HEAD/NECK	1ST DROP	#12
9/27/92	BACK	1ST DROP	#14
9/27/92	NECK/BACK	1ST DROP	#12
9/27/92	NECK	1ST DROP	MIDDLE
9/29/92	NECK	1ST DROP	MIDDLE
9/29/92	HEAD	1ST DROP	UNK

ANALYSIS OF INCIDENTS ON THE RATTLER

10/3/92 - 10/9/92

10/3/92	CUT ELBOW	UNK	#6
10/3/92	BACK	UNK	UNK
10/3/92	BACK	1ST DROP	UNK
10/3/92	NECK	1ST DROP	#12
10/3/92	ELBOW	UNK	#2
10/3/92	NECK	1ST DROP	MIDDLE
10/3/92	LIP	1ST DROP	UNK
10/3/92	SCAB OFF KNEE	UNK	UNK
10/3/92	LIP	1ST DROP	UNK
10/4/92	BACK	2ND DROP	#3
10/4/92	BLOODY NOSE	1ST DROP	UNK
10/4/92	CUT LIP	1ST DROP	UNK
10/6/92	NECK	1ST DROP	UNK
10/7/92	BACK	1ST DROP	#12
10/7/92	NECK	UNK	#8
10/7/92	NECK	UNK	#3
10/9/92	HEAD	ENT. (CLIMBED ROCKS)	UNK
10/9/92	NECK	1ST DROP	#10
10/9/92	ILL	UNK	UNK
10/9/92	SHOCK	UNK	#10
10/9/92	LIP	1ST DROP	#12

ANALYSIS OF INCIDENTS ON THE RATTLER

10/10/92 - 10/23/92

10/10/92	ELBOW	UNK	LAST CAR #14
10/10/92	BACK	FAN CURVE	#8
10/10/92	NECK	FAN CURVE	#7

10/10/92	ELBOW	UNK	UNK
10/11/92	BACK	FAN CURVE	#8 OR #9
10/11/92	NECK/SHOULDERS	FAN CURVE	UNK
10/11/92	EYE	1ST DROP	UNK
10/12/92	NECK	TUNNEL	MIDDLE
10/15/92	BUMPS, BRUISES, MUSCLE	UNK	UNK
10/15/92	BACK	1ST DROP	#4
10/15/92	CHIN	1ST DROP	MIDDLE CAR
10/16/92	ABRASIONS- HANDS & KNEES	EXIT	UNK
10/17/92	BUSTED LIP	1ST DROP	#6
10/17/92	NECK	FAN CURVE	#6
10/17/92	BACK	1ST DROP	#8
10/18/92	NECK	FAN CURVE	#13
10/18/92	NOSE	FAN CURVE	#10
10/19/92	NECK/BACK	UNK	UNK
10/23/92	LOWER BACK	1ST DROP	UNK
10/23/92	BACK	1ST DROP	UNK
10/23/92	NECK	1ST DROP	UNK
10/23/92	BACK	1ST DROP	#6
10/23/92	BACK	FAN CURVE	#14
10/23/92	BACK	1ST DROP	#6

ANALYSIS OF INCIDENTS ON THE RATTLER

10/24/92 - 10/31/92

10/24/92	NECK	1ST DROP	UNK
10/24/92	CUT LEG	UNK	#8
10/24/92	BRUISE ELBOW	UNK	#1
10/25/92	BACK	1ST DROP	#12
10/25/92	BACK	1ST DROP	#14
10/25/92	UPPER BACK	2ND DROP	#14
10/25/92	LOWER BACK	1ST DROP	UNK
10/26/92	NECK/UPPER BACK	1ST DROP	#12
10/31/92	BACK	FAN CURVE	#11
10/31/92	NOSE BLEED	2ND DROP	#8
10/31/92	CUT ON HEAD	2ND DROP	#14