

FROM P. C. SCHEBLE

TO MR. J. N. RUMBLE

Elle- PLS. put a  
copy of this  
in ASBOS-03  
Replacement  
1984 November 09  
BEP  
JES

The Ingot Plant deserves a big "Put on the Back" for this accomplishment. Good show guys!!  
1984 November 09

NOV 26 1984

RE: EVALUATION OF N-14 HEADER MATERIAL

Badin has evaluated N-14 material for HDC headers since 1984 July. impetus for the tests has been to eliminate Molten Metal Marinite, the last asbestos-bearing material in the Ingot Plant.

The evaluation was conducted by first running molds with N-14 headers mixed with molds containing Marinite headers. Results, summarized below, showed N-14 to be equivalent to Marinite in performance.

| Size        | Marinite | N-14      |
|-------------|----------|-----------|
| 6" No. Runs | 92       | 10        |
| Avg. Hours  | 23.8     | 24.0      |
| Range       | 5.8-52.5 | 7.2-32.8  |
| 7" No. Runs | 36       | 6         |
| Avg. Hours  | 31.5     | 24.5      |
| Range       | 6-51.5   | 14.5-40.8 |

One week trials, using all N-14 headers, were run on 6 and 7 inch sizes. These results were:

| Size | Period      | No. Molds | Avg. Mold Life | Range     |
|------|-------------|-----------|----------------|-----------|
| 6"   | 10/8-10/13  | 19        | 40.9 hrs       | 62.5-22.2 |
| 7"   | 10/15-10/19 | 25        | 31.5 hrs       | 56.2-16.5 |

Based on these tests, Procurement will order only N-14 headers in the future. We will consume the Marinite headers we presently have in stock.

By copy of this letter, Pete Velotas is requested to calculate the cost savings associated with the cheaper price for N-14 material and the elimination of the special disposal practices for asbestos-bearing Marinite.

P. C. SCHEBLE

PCS:bd

cc: E. L. Rooy/H. G. Reavis - Pittsburgh  
M. W. Vante  
J. L. Fox  
C. A. Carter, Jr.  
P. J. Velotas  
J. L. Barbour  
J. L. Wentz (Mold Shop)

PLAINTIFF'S  
EXHIBIT  
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