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RE: BLOWER NOISE SURVEY – NASCAR CAR WASH (PLAINFIELD, IL)

INTRODUCTION

Mid-America Dynamics consulting services were requested by AVW Equipment Company, Inc. to perform a blower noise survey at the Nascar Car Wash located at 1801 South Route 59 in Plainfield IL. Mike Marunde provided on-site services on November 14, 2014.

BLOWER NOISE: DATA COLLECTION

The Mid-America service consultant met Willie Vidokovich from AVW Equipment Company at the Nascar Car Wash in Plainfield, IL. Willie provided the site map location and test data requirements for this job. All noise data was collected using the 3M Quest 2900 Sound Level Meter. All noise levels in this report are shown on the dbA scale.

The following tests were performed:

- TEST 1: All Blowers @ 60 Hertz
- TEST 2: All Blowers @ 58 Hertz
- TEST 3: All Blowers @ 56 Hertz
- TEST 4: All Blowers @ 54 Hertz
- TEST 5: 10 Blowers @ 60 Hertz; 1 Blower OFF
- TEST 6: 9 Blowers at 60 Hertz; 2 Blowers OFF
- TEST 7: 8 Blowers at 60 Hertz; 3 Blowers OFF
- TEST 8: 7 Blowers at 60 Hertz; 4 Blowers OFF
- TEST 9: 6 Blowers at 60 Hertz; 5 Blowers OFF
- TEST 10: 5 Blowers at 60 Hertz; 6 Blowers OFF
- TEST 11: 4 Blowers at 60 Hertz; 7 Blowers OFF

NOTE: Data was collected for each test at various distances and angles from the exit and entrance to the car wash.