

Sampling Date Thursday, 10/27/05
Sampling Location 10 ft south of left corner of Nidec front gate, west side of Franklin Dr, Torrington, CT

Sampler Ivonne Hall, BEC

Weather cloudy, 40s, no rain, windy
Equipment Sound Level Meter: Quest 2900 Type 2, Serial # CDE010035
Calibration Laboratory calibration on 2/15/05, with QC-10 Sound Calibrator, Serial # QIE010185
 Cal check on 10/26/05 by IGH: std = 1000 Hz and 114 dB, measured SPL = 114.2 dB

Remarks 1) People present: Tom Walker, NRG; Ivonne Hall, BEC
 2) pictures: 2 of jet engine inside trailer; 2 of compressed air tank, used to start up engine;
 2 inside control room, 1 was of general air permit on wall; 1 of rear material storage area;
 4 more pictures of general site vicinity
 3) 2 kinds of noise generated by engine running: a low rumble and a high-pitched squeal;
 noise is a noticeable presence, seems to sound consistent throughout the NOx test
 4) engine starting firing up ~9:26 AM, running @ full load @ 9:30 AM
 engine starting shutting down ~11:20 AM, needed to cool down for ~20 min; noise from
 engine ended @ 11:27 AM
 5) cars were passing by sometimes every 30 sec, sometimes every 1 or 2 min; took ambient
 reading after engine shut down
 6) Ran 3-15 min tests while engine was running: 1st two tests at beginning of engine run,
 last test was conducted during later part of engine run

TEST READINGS #1 9:25 - 9:41AM

LIN 97.1 dB

Memory File Location: 04

LEQ	77.2 dBA
LMAX	87.9 dBA
LMIN	61.6 dBA
L5	80.5 dBA
L10	79.5 dBA
L50	76.8 dBA
L90	76.8 dBA
SEL	107.5 dBA
LPK	102.0 dBA

TEST READINGS #2 9:45 - 10:00 AM

Memory File Location: 05

LEQ	79.1 dBA
LMAX	87.8 dBA
LMIN	74.0 dBA
L5	81.0 dBA
L10	80.5 dBA
L50	78.8 dBA
L90	77.2 dBA
SEL	108.7 dBA
LPK	111.1 dBA

TEST READINGS #3 windscreen on for this test, 10:24 - 10:39 AM

Memory File Location: 08

LEQ	76.8 dBA
LMAX	84.1 dBA
LMIN	74.1 dBA
L5	78.5 dBA
L10	78.0 dBA
L50	76.6 dBA
L90	75.6 dBA
SEL	106.7 dBA
LPK	98.9 dBA

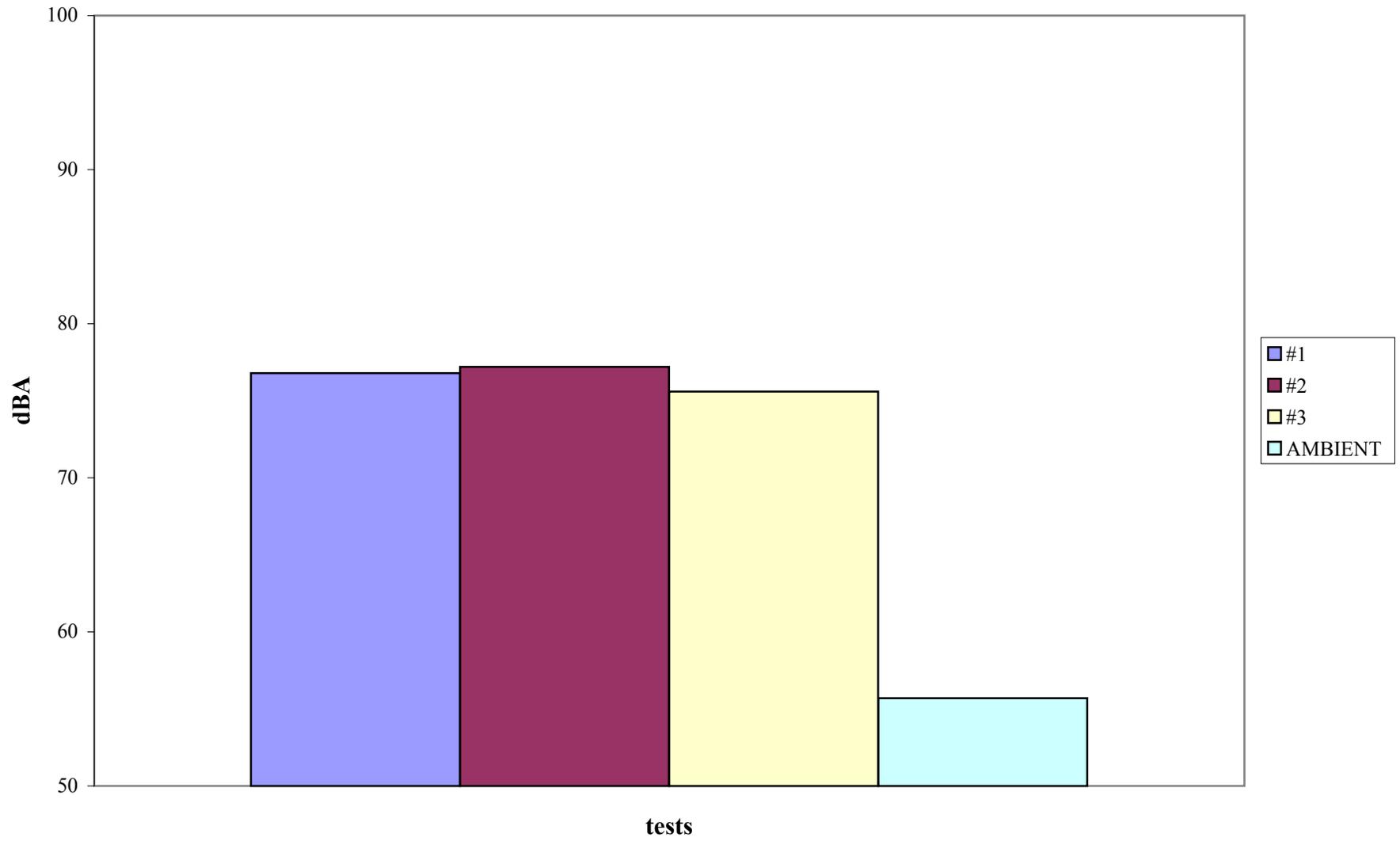
AMBIENT windscreen on 11:28 - 11:43 AM

LIN 76.1 dB

Memory File Location: 10

LEQ	66.7 dBA
LMAX	90.9 dBA
LMIN	54.0 dBA
L5	72.3 dBA
L10	68.7 dBA
L50	58.6 dBA
L90	55.7 dBA
SEL	96.3 dBA
LPK	111.9 dBA

L90



LEQ

