Attachment 1 to Executive Order DE-04-004-02
Engine Families Appropriate for Verification

Engine Family	Make/Year
RCP629EZDARA	Caterpillar, 1994
RCP638EZDARA	Caterpillar, 1994
RCP893EZDARA	Caterpillar, 1994
SCP403DZDARK	Caterpillar, 1995
SCP442DZDARK	Caterpillar, 1995
SCP626EZDARK	Caterpillar, 1995
SCP629EZDARM	Caterpillar, 1995
SCP638EZDARA	Caterpillar, 1995
SCP729EZDARL	Caterpillar, 1995
SCP893EZDARK	Caterpillar, 1995
TCP403DZDARK	Caterpillar, 1996
TCP442DZDARK	Caterpillar, 1996
TCP629EZDARK	Caterpillar, 1996
TCP629EZDARM	Caterpillar, 1996
TCP638EZDARA	Caterpillar, 1996
TCP729EZDARL	Caterpillar, 1996
TCP893EZDARK	Caterpillar, 1996
VCP403DZDARK	Caterpillar, 1997
VCP442DZDARK	Caterpillar, 1997
VCP629EZDARK	Caterpillar, 1997
VCP638EZDARA	Caterpillar, 1997
VCP629EZDARX	Caterpillar, 1997
VCP729EZDARX	Caterpillar, 1997
VCP893EZDARA	Caterpillar, 1997
VCP893EZDARX	Caterpillar, 1997
VCP967EZDARK	Caterpillar, 1997
WCPXH0442HRK	Caterpillar, 1998
WCPXH0442HSK	Caterpillar, 1998
WCPXH0629ERK	Caterpillar, 1998
WCPXH0729ERK	Caterpillar, 1998
WCPXH0893ERK	Caterpillar, 1998
WCPXH0967ERK	Caterpillar, 1998
XCPXH0442HRK	Caterpillar, 1999
XCPXH0442HSK	Caterpillar, 1999
XCPXH0629ERK	Caterpillar, 1999
XCPXH0729ERK	Caterpillar, 1999
XCPXH0893ERK	Caterpillar, 1999
XCPXH0967ERK	Caterpillar, 1999
YCPXH0442HRK	Caterpillar, 2000
YCPXH0629ERK	Caterpillar, 2000
YCPXH0729ERK	Caterpillar, 2000
YCPXH0893ERK	Caterpillar, 2000
YCPXH0967ERK	Caterpillar, 2000
1CPXH0442HRK	Caterpillar, 2001
1CPXH0629ERK	Caterpillar, 2001
1CPXH0729ERK	Caterpillar, 2001
1CPXH0893ERK	Caterpillar, 2001
1CPXH0967ERK	Caterpillar, 2001
2CPXH0442HRK	Caterpillar, 2002
2CPXH0629ERK	Caterpillar, 2002

2CPXH0729ERK	Caterpillar, 2002
2CPXH0893ERK	Caterpillar, 2002
2CPXH0967ERK	Caterpillar, 2002
RCE855EJDARW	Cummins N14, 1994
RCE855EJDASW	Cummins N14, 1994
SCE855EJDARW	Cummins N14, 1995
SCE855EJDASW	Cummins N14, 1995
SCE855EJDATW	Cummins N14, 1995
SCE855EJDARA	Cummins N14, 1995
SCE855EJDARB	Cummins N14, 1995
TCE855EJDARW	Cummins N14, 1996
TCE855EJDASW	Cummins N14, 1996
TCE855EJDATW	Cummins N14, 1996
TCE855EJDARA	Cummins N14, 1996
TCE855EJDARB	Cummins N14, 1996
VCE855EJDARC	Cummins N14, 1997
VCE855EJDATW	Cummins N14, 1997
VCE855EJDARA	Cummins N14, 1997
VCE855EJDARB	Cummins N14, 1997
WCEXH0855NAA	Cummins N14, 1998
WCEXH0855NAB	Cummins N14, 1998
WCEXH0855NAC	Cummins N14, 1998
XCEXH0855NAD	Cummins N14, 1999
XCEXH0855NAE	Cummins N14, 1999
XCEXH0855NAF	Cummins N14, 1999
YCEXH0855NAD	Cummins N14, 2000
YCEXH0855NAE	Cummins N14, 2000
YCEXH0855NAF	Cummins N14, 2000
1CEXH0855NAD	Cummins N14, 2001
1CEXH0855NAE	Cummins N14, 2001
1CEXH0855NAF	Cummins N14, 2001
2CEXH0855NAA	Cummins N14, 2002
WCEXH0912XAA	Cummins Signature, 1998
XCEXH0912XAB	Cummins Signature, 1999
YCEXH0912XAE	Cummins Signature, 2000
1CEXH0912XAE	Cummins Signature, 2001
XCEXH0912XAD	Cummins ISX, 1999
YCEXH0912XAC	Cummins ISX, 2000
YCEXH0912XAD	Cummins ISX, 2000
1CEXH0912XAC	Cummins ISX, 2001
1CEXH0912XAD	Cummins ISX, 2001
2CEXH0912XAF	Cummins ISX, 2002
RCE611EGDARW	Cummins L10, 1994
SCE611EGDARW	Cummins L10, 1995
VCE359DJDARA	Cummins B5.9, 1997
WCEXA0359BAH	Cummins ISB, 1998
WCEXA0359BAD	Cummins ISB, 1998
WCEXA0359BAE	Cummins ISB, 1998
XCEXA0359BAJ	Cummins ISB, 1999
XCEXA0359BAK	Cummins ISB, 1999
XCEXA0359BAN	Cummins ISB, 1999
XCEXA0359BAT	Cummins ISB, 1999
YCEXA0359BAO	Cummins ISB, 2000

YCEXA0359BAP	Cummins ISB, 2000
YCEXA0359BAZ	Cummins ISB, 2000
1CEXA0359BAU	Cummins ISB, 2001
1CEXA0359BAV	Cummins ISB, 2001
1CEXA0359BAZ	Cummins ISB, 2001
2CEXA0359BAB	Cummins ISB, 2002
2CEXA0359BAZ	Cummins ISB, 2002
PCE0661FZA2	Cummins M11, 1993
RCE661EJDARW	Cummins M11, 1994
RCE661EJDARA	Cummins M11, 1994
RCE661EJDARC	Cummins M11, 1994
SCE661EJDARW	Cummins M11, 1995
SCE661EJDARA	Cummins M11, 1995
SCE661EJDATW	Cummins M11, 1995
SCE661EJDASW	Cummins M11, 1995
SCE661EJDARC	Cummins M11, 1995
TCE661EJDARA	Cummins M11, 1996
TCE661EJDARW	Cummins M11, 1996
TCE661EJDASW	Cummins M11, 1996
TCE661EJDARB	Cummins M11, 1996
TCE661EJDARC	Cummins M11, 1996
TCE661EJDATW	Cummins M11, 1996
VCE661EJDATW	Cummins M11, 1997
VCE661EJDASA	Cummins M11, 1997
VCE661EJDARC	Cummins M11, 1997
VCE661EJDARB	Cummins M11, 1997
WCEXH0661MAA	Cummins M11, 1998
WCEXH0661MAB	Cummins M11, 1998
WCEXH0661MAD	Cummins ISM, 1998
WCEXH0661MAE	Cummins ISM, 1998
XCEXH0661MAH	Cummins ISM, 1999
XCEXH0661MAI	Cummins ISM, 1999
YCEXH0661MAH	Cummins ISM, 2000
YCEXH0661MAI	Cummins ISM, 2000
1CEXH0661MAQ	Cummins ISM, 2001
ICEXH0661MAR	Cummins ISM 2001
2CEXH0661MAS	Cummins ISM, 2002
WCEXH0505CAC	Cummins ISC, 1998
WCEXH0505CAD	Cummins ISC, 1998
WCEXH0505CAF	Cummins ISC, 1998
WCEXH0505CAE	Cummins ISC, 1998
XCEXH0505CAC	Cummins ISC, 1999
XCEXH0505CAD	Cummins ISC, 1999
XCEXH0505CAE	Cummins ISC, 1999
YCEXH0505CAG	Cummins ISC, 2000
YCEXH0505CAH	Cummins ISC, 2000
YCEXH0505CAI	Cummins ISC, 2000
1CEXH0505CAN	Cummins ISC, 2001
1CEXH0505CAO	Cummins ISC, 2001
1CEXH0505CAP	Cummins ISC, 2001
2CEXH0505CAN	Cummins ISC, 2002
2CEXH0505CAQ	Cummins ISC, 2002
3CEXH0505CAQ	Cummins ISC, 2003
3CEXH0505CAN	Cummins ISC, 2003

YCEXH0540LAA	Cummins ISL, 2000
1CEXH0540LAA	Cummins ISL, 2001
1CEXH0540LAC	Cummins ISL, 2001
2CEXH0540LAC	Cummins ISL, 2002
3CEXH0540LAC	CUMMINS ISL, 2003
RDD11.EJDARA	DDC Series 60, 1994
RDD12.EJDARA	DDC Series 60, 1994
RDD8.5EJDARA	DDC Series 50, 1994
RDD8.5EJDARW	DDC Series 50, 1994
SDD11.EJDARA	DDC Series 60, 1995
SDD12.EJDARA	DDC Series 60, 1995
SDD8.5EJDARA	DDC Series 50, 1995
SDD8.5EJDARW	DDC Series 50, 1995
TDD11.EJDARA	DDC Series 60, 1996
TDD12.EJDARA	DDC Series 60, 1996
TDD12.EJDATW	DDC Series 55, 1996
TDD8.5EJDARA	DDC Series 50, 1996
TDD8.5EJDARW	DDC Series 50, 1996
VDD11.EJDARA	DDC Series 60, 1997
VDD12.EJDARA	DDC Series 60, 1997
VDD12.EJDATA	DDC Series 55, 1997
VDD8.5EJDARA	DDC Series 50, 1997
WDDXH11.1EHD	DDC Series 60, 1998
WDDXH12.7EGD	DDC Series 60, 1998
WDDXH08.5EJD	DDC Series 50, 1998
XDDXH11.1EHL	DDC Series 60, 1999
XDDXH12.7EGL	DDC Series 60, 1999
XDDXH08.5EJL	DDC Series 50, 1999
XDDXH14.0ELL	DDC Series 60, 1999
YDDXH08.5EJB	DDC Series 50, 2000
YDDXH12.7EGL	DDC Series 60, 2000
YDDXH08.5EJL	DDC Series 50, 2000
YDDXH14.0ELL	DDC Series 60, 2000
1DDXH08.5EJB	DDC Series 50, 2001
1DDXH12.7EGL	DDC Series 60, 2001
1DDXH08.5EJL	DDC Series 50, 2001
1DDXH14.0ELL	DDC Series 60, 2001
2DDXH12.7EGL	DDC Series 60, 2002
2DDXH14.0ELL	DDC Series 60, 2002
VGM6.5C6DARW	General Motors, 1997
WGMXH06.5523	General Motors, 1998
XGMXH06.5523	General Motors, 1999
RHM6.5D7DARW	Hino, 1994
SHM6.5D7DARW	Hino, 1995
THM6.5D7DARW	Hino, 1996
VHM8.0DHDARA	Hino, 1997
WSZXH07.84RA	Isuzu, 1998
XSZXJ07.84RA	Isuzu, 1999
YSZXJ07.84RA	Isuzu, 2000

1SZXJ06.63RK	Isuzu, 2001
2SZXJ06.64RA	Isuzu, 2002
2SZXJ07.84RA	Isuzu, 2002
RMK728EGDARA	Mack, 1994
RMK728EJDARA	Mack, 1994
SMK728EGDARA	Mack, 1995
SMK728EJDARA	Mack, 1995
TMK728EGDARA	Mack, 1996
TMK728EJDARA	Mack, 1996
VMK728EGDARA	Mack, 1997
VMK728EJDARA	Mack, 1997
VMK728EJDAYW	Mack, 1997
WMKXH11.9E51	Mack, 1998
WMKXH11.9E52	Mack, 1998
WMKXH11.9E53	Mack, 1998
XMKXH11.9E54	Mack, 1999
YMKXH11.9H56	Mack, 2000
YMKXH11.9V57	Mack, 2000
1MKXH11.9H56	Mack, 2001
1MKXH11.9H59	Mack, 2001
1MKXH11.9V60	Mack, 2001
1MKXH11.9V57	Mack, 2001
1MKXH11.9V61	Mack, 2001
2MKXH11.9H63	Mack, 2002
2MKXH11.9H59	Mack, 2002
2MKXH11.9V60	Mack, 2002
2MKXH11.9V65	Mack, 2002
2MKXH11.9V61	Mack, 2002
2MKXH11.9V66	Mack, 2002
2MKXH11.9V67	Mack, 2002
RMB6.0D6DARA	Mercedes Benz, 1994
SMB6.0D6DARA	Mercedes Benz, 1995
XMBXH6.37DJA	Mercedes Benz, 1999
YMBXH6.37DJA	***Mercedes Benz, 2000***
1MBXH12.0DJA	Mercedes Benz, 2001
1MBXH12.8DJA	Mercedes Benz, 2001
1MBXH6.37DJA	Mercedes Benz, 2001
1MBXH6.37DJC	Mercedes Benz, 2001
2MBXH12.0DJA	Mercedes Benz, 2002
2MBXH12.8DJA	Mercedes Benz, 2002
2MBXH6.37DJA	Mercedes Benz, 2002
2MBXH6.37DJC	Mercedes Benz, 2002
2MBXH15.9DJB	Mercedes Benz, 2002
RNV466D6D0TW	Navistar, 1994
RNV466D6DARW	Navistar, 1994
RNV466D6DASW	Navistar, 1994
SNV444C8DORA	Navistar, 1995
SNV444C8DOSA	Navistar, 1995
SNV530D6DARA	Navistar, 1995
SNV530E6DASA	Navistar, 1995

SNV466D6DARA	Navistar, 1995
SNV466D6DASA	Navistar, 1995
SNV466D6DATA	Navistar, 1995
SNV466D8DARB	Navistar, 1995
SNV466D8DASB	Navistar, 1995
SNV466D8DATB	Navistar, 1995
TNV444C8DORA	Navistar, 1996
TNV444C8DOSA	Navistar, 1996
TNV530D6DARA	Navistar, 1996
TNV530E6DASA	Navistar, 1996
TNV530D8DARA	Navistar, 1996
TNV530E8DASA	Navistar, 1996
TNV466D6DARB	Navistar, 1996
TNV466D6DATB	Navistar, 1996
TNV466D8DARB	Navistar, 1996
TNV466D8DATB	Navistar, 1996
VNV444C8DARW	Navistar, 1997
VNV444C8DASW	Navistar, 1997
VNV530D6DARA	Navistar, 1997
VNV530E6DASA	Navistar, 1997
VNV530D8DARA	Navistar, 1997
VNV530E8DASA	Navistar, 1997
VNV466D6DARA	Navistar, 1997
VNV466D8DARW	Navistar, 1997
VNV466D8DASA	Navistar, 1997
XNVXH0444ANA	Navistar, 1999
XNVXH0444ANB	Navistar, 1999
XNVXH0530ANA	Navistar, 1999
XNVXH0530ANB	Navistar, 1999
XNVXH07.3ANE	Navistar, 1999
XNVXH07.3ANF	Navistar, 1999
XNVXH07.3CNJ	Navistar, 1999
XNVXH0466ANA	Navistar, 1999
XNVXH0466ANB	Navistar, 1999
YNVXH0444ANA	Navistar, 2000
YNVXH0444ANB	Navistar, 2000
YNVXH0444ANC	Navistar, 2000
YNVXH0530ANA	Navistar, 2000
YNVXH0530ANB	Navistar, 2000
YNVXH07.3ANA	Navistar, 2000
YNVXH0466ANA	Navistar, 2000
YNVXH0466ANB	Navistar, 2000
1NVXH0444ANA	Navistar, 2001
1NVXH0444ANB	Navistar, 2001
1NVXH0444ANC	Navistar, 2001
1NVXH0530ANA	Navistar, 2001
1NVXH0530ANB	Navistar, 2001
1NVXH07.3CND	Navistar, 2001
1NVXH07.3ANA	Navistar, 2001
1NVXH07.3ANC	Navistar, 2001
1NVXH0466ANA	Navistar, 2001
1NVXH0466ANB	Navistar, 2001
2NVXH0444ANA	Navistar, 2002

2NVXH0444ANB	Navistar, 2002
2NVXH0444ANC	Navistar, 2002
2NVXH0530ANA	Navistar, 2002
2NVXH0530ANB	Navistar, 2002
2NVXH0530ANC	Navistar, 2002
2NVXH07.3CND	Navistar, 2002
2NVXH07.3ANA	Navistar, 2002
2NVXH07.3ANC	Navistar, 2002
2NVXH0466ANA	Navistar, 2002
2NVXH0466ANB	Navistar, 2002
RVT12.EJDBRA	Volvo, 1994
RVT6.7D6DBRA	Volvo, 1994
SVT12.EJDBRA	Volvo, 1995
SVT6.7D6DBRA	Volvo, 1995
TVT12.EJDBRA	Volvo, 1996
TVT6.7D6DBRA	Volvo, 1996
VVT12.EJDBRA	Volvo, 1997
VVT6.7D6DBRA	Volvo, 1997
WVTXH12.150S	Volvo, 1998
WVTXH07.350S	Volvo, 1998
XVTXH12.150S	Volvo, 1999
XVTXH07.350S	Volvo, 1999
XVTXH07.399B	Volvo, 1999
YVTXH12.150S	Volvo, 2000
YVTXH07.350S	Volvo, 2000
1VTXH12.150S	Volvo, 2001
1VTXH07.350S	Volvo, 2001
2VTXH12.150S	Volvo, 2002
2VTXH07.350S	Volvo, 2002