AREAS OF CONCERN (AOCs)

1 POTENTIAL DISCHARGE FROM TANK 1	8 OILY AND TARRY MATERIAL AT B-27, B-28	17 POTENTIAL DISCHARGE FROM TANK 20	33 TANK 314 BASIN
2 POTENTIAL DISCHARGE FROM TANK 3	9A CONTAMINATION AT WELL NF-10	18 POTENTIAL DISCHARGE FROM TANK 2	34 TANK 315 BASIN
3 POTENTIAL DISCHARGE FROM TANK 4	9B CONTAMINATION AT WELL NF-11	19 MAIN YARD PIPEWAY	41 TANK BASIN 300
5 PETROLEUM SUBSTANCE NEAR UGST E3	10 STAINED SOIL AND GRAVEL IN AREA OF IAF TANK	21 MAURER ROAD EXCAVATION	42 TANK BASIN 310
6A OILY PETROLEUM MATERIAL AT B-26, B-34	15 OIL RELEASE AT BUCKEYE PIPELINE MANIFOLD	23 TANK BASIN 327	43 TANK BASIN 311
7 TARRY MATERIAL AT MW-13	16 OILY WATER SEWER SYSTEM	24 MAIN YARD FIRE HYDRANT	44 TANK BASIN 313

47 #4 CRUDE UNIT
48 ISOMAX PROCESS PLANT
49 #3 RHENIFORMER

SOLID WASTE MANAGEMENT UNITs (SWMUs)

1 NORTH FIELD BASIN	20 TEL BURIAL (E. OF TANK 302)	35 NO. 4 SEPARATOR
2 SURGE POND	21 TEL BURIAL (MUDFLATS)	38 NORTH FIELD SLOP POND
5 TEL BURIAL (W. OF SURGE POND)	22 TEL BURIAL (E. OF TANK 329)	39 UNNAMED NORTH FIELD POND
6 TEL BURIAL (W. OF TANK 306)	24 TEL WEATHERING AREA (E. OF TANK 9209, S. OF ETP)	40 OLD POND
7 TEL BURIAL - 2 BURIALS (SE. OF TANK 305)	27 TEL WEATHERING AREA (N. OF TANK 312, W. OF N.F.B.)	41 DRYING AREA
16 TEL BURIAL (E. OF TANK 306)	28 REACTOR BURIAL	43 MUD FLATS
17 TEL BURIAL (E. OF TANK 301)	29 FINES TRANSFER AREA	44 UNNAMED MAIN YARD POND
18 TEL BURIAL (W. OF TANK 301)	30 SHORT TERM STORAGE AREA	51 OILY SOIL PAD
19 TEL BURIAL (W. OF TANK 326)	31 EFFLUENT TREATMENT PLANT	53 POTENTIAL DISCHARGE INTO TANK BASIN 312

LEGEND:

- MW-102 — ACTIVE MONITORING WELL, RECOVERY WELL, OR PIEZOMETER
- S2454 — SOIL BORING ID FOR A CMS SAMPLE LOCATION
- S2415 — SOIL BORING ID FOR A PRE-CMS SAMPLE LOCATION WITH AN EXCEEDENCE OF 13 mg/kg OF BENZENE, 10 mg/kg OF BENZO(A)PYRENE OR 800 mg/kg OF LEAD.
- SHEET PILING
- SLURRY WALL
- TEL — FORMER TEL FARM
- AOC
- SWMU

ESTIMATED DELINEATION OF TCLP BENZENE CONCENTRATIONS AND CORRECTIVE MEASURE:
- 0.5 mg/L — ISCO TREATMENT
- 5 mg/L — ISCO TREATMENT

ESTIMATED DELINEATION OF TCLP LEAD CONCENTRATIONS AND CORRECTIVE MEASURES:
- 5 mg/L, 50 mg/L — EXCAVATION, EX-SITU STABILIZATION AND DISPOSAL IN TAILORED CAMU.

ESTIMATED DELINEATION OF GROUNDWATER BENZENE CONCENTRATIONS AND CORRECTIVE MEASURES:
- 1-10 ug/L — MNA
- 10-100 ug/L — MNA
- 100-1,000 ug/L — ISCO TREATMENT
- 1,000-10,000 ug/L — ISCO TREATMENT
- >10,000 ug/L — ISCO TREATMENT

ESTIMATED DELINEATION OF GROUNDWATER LEAD CONCENTRATIONS:
- 5-50 ug/L

ESTIMATED EXTENT OF LEAD IMPACTED SOILS AND CORRECTIVE MEASURES:
- 800-8,000 mg/Kg
- >8,000 mg/Kg

IN-SITU STABILIZATION FOR TCLP LEAD CONCENTRATIONS <5 mg/L; EXCAVATION, EX-SITU STABILIZATION AND DISPOSAL IN TAILORED CAMU FOR TCLP LEAD CONCENTRATIONS >5 mg/L.

ESTIMATED EXTENT OF BENZENE IMPACTED SOILS AND CORRECTIVE MEASURE:
- 13-100 mg/Kg — ISCO TREATMENT
- >100 mg/Kg — ISCO TREATMENT

ESTIMATED EXTENT OF BENZO(A)PYRENE IMPACTED SOILS AND CORRECTIVE MEASURES:
- >10 mg/Kg — EXCAVATION, EX-SITU STABILIZATION AND DISPOSAL IN TAILORED CAMU.

ABBREVIATIONS:

CAMU: CORRECTIVE ACTION MANAGEMENT UNIT
ISCO: IN-SITU CHEMICAL OXIDATION
MNA: MONITORED NATURAL ATTENUATION
TCLP: TOXICITY CHARACTERISTIC LEACHING PROCEDURE

NOTES:

1. THE PRESENCE OF LNAPL IS NOT SHOWN IN THIS FIGURE. SEE FIGURE 12 FOR THE LATEST DETAILS ON THE LNAPL IMPACTED AREAS CORRESPONDING TO THE YEAR 2007 AND THE IMPACTED ASSOCIATED SWMUs AND AOCs.

0 60 120 240
SCALE (FEET)

CHEVRON PRODUCTS COMPANY
PERTH AMBOY, NEW JERSEY

CORRECTIVE MEASURES STUDY

MAIN YARD
SUMMARY OF PRINCIPAL CONTAMINANTS OF CONCERN DISTRIBUTION IN SOIL AND GROUNDWATER SHOWING IMPACTED SWMUs AND AOCs

Chevron Asphalt Perth Amboy

DATE: 9/5/08
URS JOB NO: 11130491

FIGURE 2

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