

SUBSUFFACE ENVIRONMENTAL ASSESSMENT O ENVIRONMENTAL CORP. DATED SEPTEMBER 1906. F SLOP OL SUMP INCLUDED REMOVAL OF THE SUM EXCANATION AREA MERSIFIED 23 X 23 X 10. COMPI EXCANATION AREA MERSIFIED 23 X 23 X 10. COMPI EXCANATION AT DEPTH (10) INDICATED HYDROCAR REMEDIAL ACTIVITIES AREA EDITALED IN THE 2 INVESTIGATION & REMEDIATION GENERATED BY H COMP. IN 2001. 3.4 DEBUGGET AND A WAY PROPERTY IN THE DIFFET V JET TURNEN SIND IN AUGUST 1906 THE INVESTIGATION I INSTALLATION OF 3 BORINGS RANGING IN TOS FROM 52 AND ANALYTICAL RESULTS INDICATED HYDRORCARBON IMPACTS TO BC AND GROUNDWATER IN ALL 3 BORINGS. TWO OF THE THREE B CONVERTED TO MONITOR WELLS (MM 1 & IM V2). INVESTIGATION SUMMARIZED IN THE SUBSIGNACE ENVIRONMENTAL ASSESSMENT: UNITA AND ENDOCHMENTAL CORP DATE DESTIGATED ING ENGINE SUMP FOR THE INSTALLATION OF ION INCLUDED THE INSTALLATION OF LY NORTH OF THE ENGINE SUMP #30 T INSIGATED HYDROCARBON IMPACTS A TS AT TO IN IN INCLUDED THE INSTA ED IN ANY O DATED JULY 1997. 5. A SHALLOW SUBSURFACE INVESTIGATION WAS PERFORMED IN THE VI ENGINE SUMP #31 IN AUGUST 1996. THIS INVESTIGATION INCLU INSTALLATION OF A SINGLE BORING DUE SOUTH OF THE SUMP TO A TO BOB. NO HYDROCARDONS IMPACTS WERE DETECTED AT DEPTH. INVES ACTIVITIES ARE SUMMARIZED IN THE SUBSURFACE ENVIRONMENTAL ASS COMPARATED BY HEGHLANGER ENVIRONMENTAL CORP. DATED SEPTEMBER A SHALLOW SUBSURFACE INVESTIGATION WAS CONDUCTED ON THE 3 CORNER OF THE EMERGENCY FLAME SUMP IN AUGUST 1996. THE INVE INCLUED & SHALLOW THEOR (TEST PIT) THAT WAS EXCAVATED TO S COMFIDMATION SAMPLES AT DEPTH (5 FEET BIGS) WERE BELOW LA DETECTION LIMITS. INVESTIGATION ACTIVITES AND ESTIMATION SUBSURFACE ENVIRONMENTAL ASSESSMENT GENERATED BY H ENVIRONMENTAL COMP. DATED SEPTEMBER 1980. A IN INTERMEDIATE SUBSURFACE INVESTIGATION WAS PERFORMED IN THE VICI OF THE HAS FLARE SUMP IN AUGUST 1996. THE INVESTIGATION INCLUDED INSTALLATION OF A SINGLE SOLI DORING TO A TO OF 27 FEET BOS. HYDROCAR IMPACTS WERE DETECTED IN THE SHALLOW (1.5.2 FEET) SOUS INTERVAL VERTALE SUMP. ANALYTICAL RESULTS AT THE 27 FEET BOS INTERVAL WERE BE LABORATORY DETECTION LIMITS. INVESTIGATION ACTIVITIES ARE SUMMARZE THE SUSSIFICACE ENVIRONMENTAL ASSESSMENT GENERATED BY HIGHLAR ENVIRONMENTAL CORP. DATED SEPTEMBER 1996. A SUBSURFACE INVESTIGATION WAS PERFORMED IN THE I FIELD OIL PIT "D" IN NOVEMBER 1996 THE INVESTIGAT A SUBSURFACE INVESTIGATION WAS PERFORMED IN THE DIRECT FRED OB, PT D'' IN NOVEMBER 1986. THE INVESTIGATION IN INSTALLATION OF A SINGLE SOLE BORING TO A TOTAL DEPIN (TD) OF (4) FEET ELGOW GROUND SUFFACE (IGGS, MAULTICAL RESULT HYDROCARSION IMPACTS EXTENDED TO 40 FEET BOG. OROMONIA' CALL AND A SINGLE SUBSURFACE (IGGS, MAULTICAL RESULT HYDROCARSION IMPACTS EXTENDED TO 40 FEET BOG. OROMONIA' CALL AND A SINGLE SUBSURFACE (IGGS) AND A TOTAL RESULT ACTIVITIES AND ESTIMATED IN THE FINAL INVESTIGATION REPORT BY HIGHANDER ENVIRONMENTAL CORP. DATED JULY 1997. REMEM FOR THE FEED AD. IN TO "UNLIDED OVER-REXGANTION ACTIVITED FOR THE FEED AD. IN TO "UNLIDED OVER-REXGANTION ACTIVITED FOR THE FEED AD. IN TO "UNLIDED OVER-REXGANTION ACTIVITED FOR THE FEED AD. IN TO "UNLIDED OVER-REXGANTION ACTIVITED FOR THE FEED AD. IN TO "UNLIDED OVER-REXGANTION ACTIVITED FOR THE FEED AD. IN THE FINAL FRANCH ACTIVITED FOR THE FEED AD. IN THE FINAL FRANCH ACTIVITED FOR THE FEED AD. IN THE FINAL FRANCH ACTIVITED FOR THE FEED AD. IN THE FINAL FRANCH ACTIVITED FOR THE FEED AD. IN THE FINAL FRANCH ACTIVITED FOR THE FEED AD. IN THE FINAL FRANCH ACTIVITED FOR THE FEED AD. IN THE FINAL FRANCH ACTIVITED FOR THE FEED AD. IN THE FINAL FRANCH ACTIVITED FOR THE FEED AD. IN THE FINAL FRANCH ACTIVITED FOR THE FEED AD. IN THE FINAL FRANCH ACTIVITED FOR THE FEED AD. IN THE FINAL FRANCH ACTIVITED FOR THE FEED AD. IN THE FINAL FRANCH ACTIVITED FOR THE FEED AD. IN THE FINAL FRANCH ACTIVITED FOR THE FEED AD. IN THE FINAL FRANCH ACTIVITED FOR THE FEED AD. IN THE FINAL FRANCH ACTIVITED FOR FOR FEED FOR THE FEED AD. IN THE FINAL FRANCH ACTIVITED FOR FOR FEED FOR THE FEED AD. IN THE FINAL FOR THE ACTIVITES ARE SUMMARIZED IN THE FINAL INVESTIGATION REPORT GEN BY HIGHLANDER ENVIRONMENTAL CORP. DATED JULY 1997. REMEDIAL AC FOR THE FIELD OIL PIT "D" INCLUDED OVER-EXCAVATION ACTIVITIES TH PERFORMED IN FEBRUARY 2000. A TOTAL OF 312 CUBIC VARIOS OF SO REMOVED. REMEDIAL ACTIVITIES ARE DETAILED IN THE 2000 ANNUAL SUMM INVESTIGATION & REMEDIATION GENERATED BY HIGHLANDER ENVIRON CORP. IN 2001. 9. THE EAST SUMP WAS CONSTRUCTED OF CONCRETED AND MEASURE THE EAST SUMP WAS REMOVED IN BEPTEMBER 2000 AND THE OVER.EXCANATED TO APPROXIMATELY by X 13 X 10°. CONFINATOR FROM THE EXCANATION AT DEPTH (5) INDICATED HYDROCARBON IMP SOLS. REMEDIAL ACTIVITIES ARE DETAILED IN THE 2000 ANALLAS INVESTIGATION & REMEDIATION GENERATED BY HIGHLANDER ENVI CORP. IN 2001. CONCRETE DAMA SUMP IN SEPTEMBER 2000 THE INVESTIGATION WAS PERFORMED IN THE DIRECT VIC INSTALLATE DAMA IN SUMP IN SEPTEMBER 2000 THE INVESTIGATION INC INSTALLATE DAMAGE SOIL BOILD THE TAMAGE SOIL SOIL FOR THE CONCRETE DAMAGE SOIL BOILD DRIVEN AT DEPTH REMEDIAL FOR THE CONCRETE DAMA SUMP NOLLIDED REMOVAL OF THE SEPTEMBER 2000. THE EXCAVATION AREA MEASURED 9'X IS X'S, CONF SUMPLES FROM THE EXCAVATION AREA MEASURED 9'X IS X'S, CONF WARGTS IN THE SOILS. BOTH INVESTIGATION AND REMEDIATION ACTIVITY UMMARIZED IN THE SOILS. BOTH INVESTIGATION AND REMEDIATION ACTIVITY ENERATED BY HIGHLANDER ENVIRONMENT. 1. THE NORTH BRINE WATER RETENTION POND () APPROXIMATELY 245' X 245' X 15' AND HAD A DESIGNE BARRELS (BELS) LISAGE OF THIS POND WAS DECONTINUE NORTH BRINE WATER RETENTION POND WAS CAPPED AND THE SOUTH BRINE WATER RETENTION POND (POND #4) MEA: APPROXIMATELY 100 X 240 X 16 AND HAD A DEBIGNED CAPACITY OF BARRELS (BBLS), USAGE OF THIS POND WAS DISCONTINUED IN MID 1998 BOUTH BRINE WATER RETENTION POND WAS CAPPED AND CROWNED WITH A 13. THE FORMER TANK BATTERY LOCATION V THIS FORMER TANK BATTERY LOCATION V PRODUCED WATERS STORAGE BY THE G LOCATED ON THE EAST SIDE OF THE PLAN WERE RELEASED AND 30 BUS WERE REC TANK BATTERY IS SUMMARIZED IN A TR GROUNDWATER MONTORING REPORT I GROUNDWATE GENERATED BY A SUBSURFACE INVESTIGATION WAS CONT FORMER TRUCK LOADING AREA LOCATED SO 2005 THE INVESTIGATION INCLUDED THE THE NORTHWEST BRINE WATER RETENTION POND (PC POND (POND #3) ARE SCALE VERIFICATION THIS BAR MEASURES 1" ON ORIGINAL ADJUST SCALE AG -----**Chevron Environmental** Management Company EUNICE SOUTH GROUNDWATER GRADIENT MAP **DEEP WELLS - AUGUST 2009** COMESTOGA-ROVERS & ASSOCIAT USGS 1968 AERIA wed By: inct Manace TLARSON AUGUST 2009 J. ORNELAS

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NOTES

3. CONTOUR INTERVAL IS 0.5 FEET.

1. GROUNDWATER ELEVATIONS WERE COLLECTED IN AUGUST 2009. 2. DEPTH TO GROUNDWATER WAS GAUGED FROM TOP OF CASING.

NOTES:

RECOVERY WELL LOCATION WATER WELL LOCATION (INACTIVE) OFFSITE PROPERTY WELLS "NOT SAMPLED" HYDROCARBON INVESTIGATION AREA CHLORIDE INVESTIGATION AREA 3280.00 GROUNDWATER ELEVATION CONTOUR 3280.00 GROUNDWATER ELEVATION (FEET) REGIONAL GROUNDWATER FLOW DIRECTION

LEGEND

MONITOR WELL LOCATION (SHALLOW)

MONITOR WELL LOCATION (DEEP)

TARGA'S ACTIVE INJECTION WELL