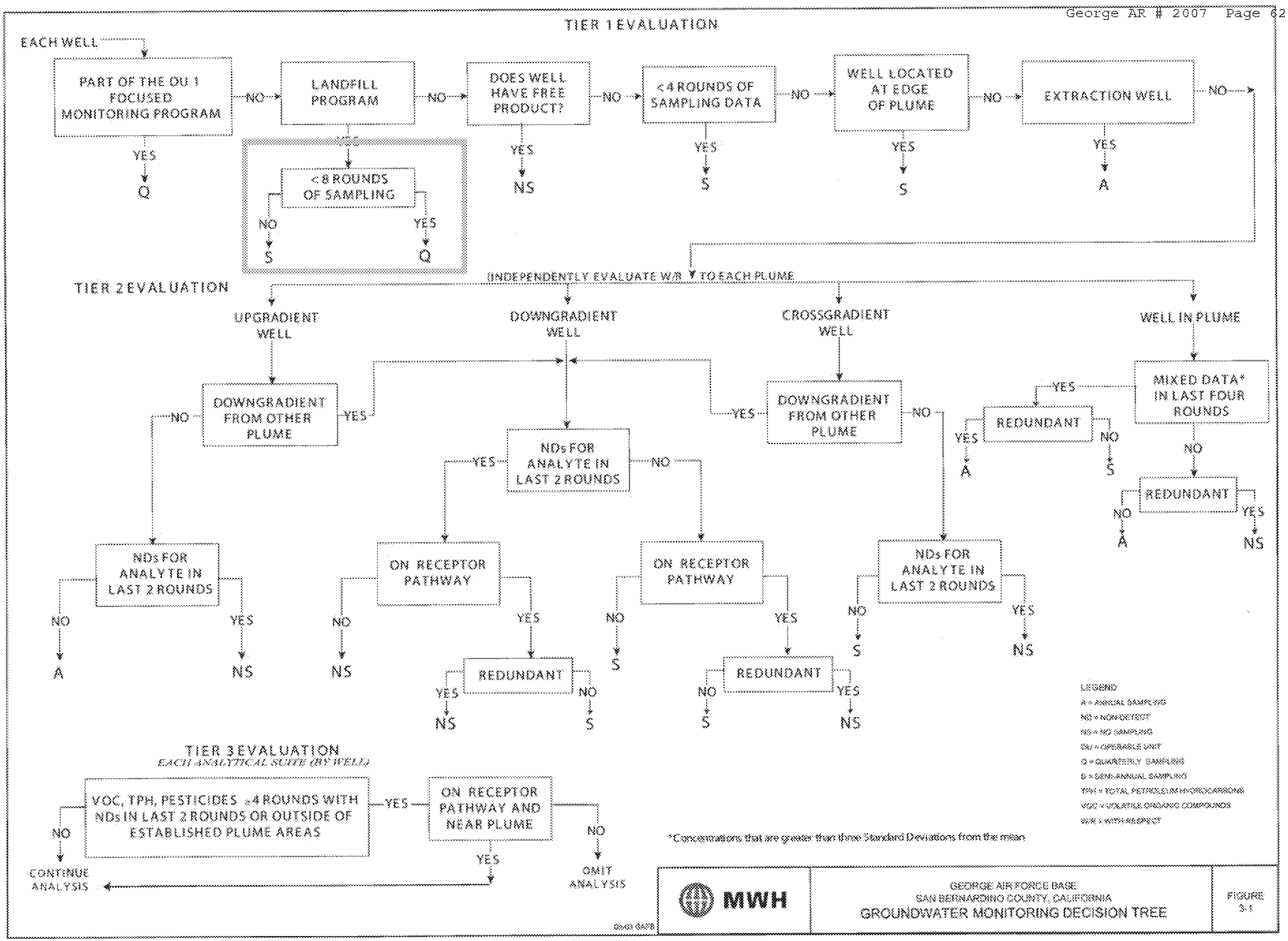
TIER 1 EVALUATION
EACH WELL
PART OF THE OU 1 FOCUSED MONITORING PROGRAM
NO
YES
Q
LANDFILL PROGRAM
NO
YES
< 8 ROUNDS OF SAMPLING
NO
S
YES
Q
DOES WELL HAVE FREE PRODUCT?
NO
YES
NS
< 4 ROUNDS OF SAMPLING DATA
NO
YES
S
WELL LOCATED AT EDGE OF PLUME
NO
YES
S
EXTRACTION WELL
NO
YES
A
TIER 2 EVALUATION
(INDEPENDENTLY EVALUATE W/R TO EACH PLUME
UPGRADIENT WELL
DOWNGRADIENT WELL
CROSSGRADIENT WELL
WELL IN PLUME
DOWNGRADIENT FROM OTHER PLUME
NO
YES
NDs FOR ANALYTE IN LAST 2 ROUNDS
NO
A
YES
NS
NDs FOR ANALYTE IN LAST 2 ROUNDS
YES
ON RECEPTOR PATHWAY
NO
NS
YES
REDUNDANT
YES
NS
NO
S
NO
ON RECEPTOR PATHWAY
NO
S
YES
REDUNDANT
NO
S
YES
NS
DOWNGRADIENT FROM OTHER PLUME
YES
NO
NDs FOR ANALYTE IN LAST 2 ROUNDS
NO
S
YES
NS
MIXED DATA* IN LAST FOUR ROUNDS
YES
REDUNDANT
YES
A
NO
S
NO
REDUNDANT
NO
A
YES
NS
TIER 3 EVALUATION
EACH ANALYTICAL SUITE (BY WELL)
VOC, TPH, PESTICIDES ≥4 ROUNDS WITH NDs IN LAST 2 ROUNDS OR OUTSIDE OF ESTABLISHED PLUME AREAS
NO
CONTINUE ANALYSIS
YES
ON RECEPTOR PATHWAY AND NEAR PLUME
NO
OMIT ANALYSIS
YES
LEGEND
A = ANNUAL SAMPLING
ND = NON DETECT
NS = NO SAMPLING
OU = OPERABLE UNIT
Q = QUARTERLY SAMPLING
S = SEMI-ANNUAL SAMPLING
TPH = TOTAL PETROLEUM HYDROCARBONS
VOC = VOLATILE ORGANIC COMPOUNDS
W/R = WITH RESPECT
*Concentrations that are greater than three Standard Deviations from the mean
MWH
GEORGE AIR FORCE BASE
SAN BERNARDINO COUNTY, CALIFORNIA
GROUNDWATER MONITORING DECISION TREE
FIGURE 3-1