SPACING GUIDELINES (m)

		FARM BUILDINGS OR OTHER DWELLINGS	SERVICE BUILDINGS	GAS COMPRESSORS		1 AIR COMPRESSORS	2 MAIN CONTROL ROOM	3 AERIAL COOLERS	4 COOLING TOWER	5 ELECTRICAL SUBSTATION	6 ELECTRICAL SWITCH GEAR OR MCC (NOTE 2)	7 EXCHANGERS HANDLING FLAMMABLES	8 EXCHANGERS HANDLING NON-FLAMMABLES	9 FLARE STACK	10 FOREST COVER	11 FURNACES	12	13 FIRED HEATERS WITH FLAME ARRESTORS	14 FIRED HEATERS WITHOUT FLAME ARRESTORS	15 LOADING RACK	16 MAIN OFFICE	17 MAJOR PIPELINE OR OTHER ROW	18 PIPELINE MANIFOLD	19 BURN PIT	20 PUMPS HANDLING FLAMMABLES	21 PUMPS HANDLING NON-FLAMMABLES	22 RAILWAY OR AIRCRAFT RUNWAY	23 MUNICIPAL ROAD OR ROAD ALLOWANCE	24 PRESSURE STORAGE SPHERE	25 STRUCTURES EXCLUDING BUILDINGS	26 SULPHUR CONVERTER	27 TANKS CONTAINING FLAMMABLES	28 TANKS CONTAINING NON-FLAMMABLES	29 TOWERS	30 ISOLATION & SNUFFING VALVES	31 PRESSURE VESSELS/DRUMS	32 OIL & GAS WELLS	33	34
1	FARM BUILDINGS OR OTHER DWELLINGS	N/A	60	100		60	100	100	60	60	100	100	100	N/A	60	60		100	N/A	100	100	100	100	100	N/A	N/A	60	100	100	60	60	100	60	60	100			
2	SERVICE BUILDINGS	60	6	25		25	25	25	15	N/A	25	N/A	75	N/A	25	25		45	15	45	15	75	25	N/A	45	N/A	45	15	15	30	30	25	8	25	45			
3	GAS COMPRESSORS	100	25	3		30	8	15	15	15	8	N/A	75	45	25	25		60	45	15	25	75	8	N/A	60	60	25	8	8	30	25	8	8	8	45			
4	AIR COMPRESSORS																																						
5	MAIN CONTROL ROOM	60	25	30		N/A	30	30	15	N/A	30	15	75	N/A	30	30		45	15	45	15	75	30	15	60	8	30	30	30	45	45	30	8	30	45			
6	AERIAL COOLERS	100	25	8		30	3	15	15	15	3	3	75	45	15	15		30	30	15	15	75	3	3	60	60	25	N/A	8	30	30	3	8	3	45			
7	COOLING TOWER	100	25	15		30	15	8	15	15	15	2	75	45	15	15		60	30	15	15	75	15	2	60	60	25	15	15	30	30	15	8	15	45			
8	ELECTRICAL SUBSTATION	60	15	15		15	15	15	N/A	N/A	15	5	75	45	15	15		50	15	45	15	75	15	5	60	8	25	15	15	45	45	15	8	15	45			
9	ELECTRICAL SWITCH GEAR OR MCC (NOTE 2)	60	N/A	15		N/A	15	15	N/A	N/A	5	5	75	45	15	15		45	15	45	15	75	15	5	60	8	25	5	5	45	45	5	8	15	45			
10	EXCHANGERS HANDLING FLAMMABLES	100	25	8		30	3	15	15	5	2	2	75	45	15	15		30	30	15	2	75	3	2	60	60	25	N/A	8	45	45	3	8	2	45			
11	EXCHANGERS HANDLING NON-FLAMMABLES	100	N/A	N/A		15	3	2	5	5	2	2	60	45	5	5		8	15	15	2	60	2	2	60	60	25	N/A	2	8	8	2	N/A	2	45			
12	FLARE STACK	100	75	75		75	75	75	75	75	75	60	75	100	75	75		90	100	100	75	75	75	60	100	100	75	75	75	60	45	75	75	75	45			
13	FOREST COVER	N/A	N/A	45		N/A	45	45	45	45	45	45	100	N/A	45	45		45	N/A	N/A	45	100	45	45	N/A	N/A	45	45	45	45	45	45	45	45	45			
14	FURNACES	60	25	25		30	15	15	15	15	15	5	75	45	15	15		45	30	15	25	75	15	8	60	60	30	15	8	45	30	15	8	15	25			
15	FIRED HEATERS WITH FLAME ARRESTORS	60	25	25		30	15	15	15	15	15	5	75	45	15	15		45	30	15	25	75	15	5	60	60	25	15	8	25	25	15	8	15	25			
16	FIRED HEATERS WITHOUT FLAME ARRESTORS																																						
17	LOADING RACK	100	45	60		45	30	60	50	45	30	8	90	45	45	45		N/A	45	30	15	90	30	8	N/A	60	45	30	45	30	30	45	8	30	45			
18	MAIN OFFICE	N/A	15	45		15	30	30	15	15	30	15	100	N/A	30	30		45	N/A	100	45	100	30	15	100	N/A	60	30	30	45	45	30	8	45	100			
19	MAJOR PIPELINE OR OTHER ROW	100	45	15		45	15	15	45	45	15	15	100	N/A	15	15		30	100	N/A	N/A	100	15	15	N/A	30	60	45	30	60	60	45	15	15	100			
20	PIPELINE MANIFOLD	100	15	25		15	15	15	15	15	2	2	75	45	25	25		15	45	N/A	N/A	75	2	2	60	30	15	15	15	15	15	15	15	8	45			
21	BURN PIT	100	75	75		75	75	75	75	75	75	60	75	100	75	75		90	100	100	75	75	75	60	100	100	75	75	75	45	45	75	75	75	50			
22	PUMPS HANDLING FLAMMABLES	100	25	8		30	3	15	15	15	3	2	75	45	15	15		30	30	15	2	75	1	2	60	60	25	3	8	45	45	3	8	3	45			
23	PUMPS HANDLING NON-FLAMMABLES	100	N/A	N/A		15	3	2	5	5	2	2	60	45	8	5		8	15	15	2	60	2	N/A	60	60	8	N/A	2	8	3	2	N/A	2	45			
24	RAILWAY OR AIRCRAFT RUNWAY	N/A	45	60		60	60	60	60	60	60	60	100	N/A	60	60		N/A	100	N/A	60	100	60	60	N/A	N/A	60	60	60	60	60	60	60	80	100			
25	MUNICIPAL ROAD OR ROAD ALLOWANCE	N/A	N/A	60		8	60	60	8	8	60	60	100	N/A	60	60		60	N/A	30	30	100	60	60	N/A	N/A	60	60	60	60	60	60	8	60	100			
26	PRESSURE STORAGE SPHERE	60	45	25		30	25	25	25	25	25	25	75	45	30	25		45	60	60	15	75	25	8	60	60	1 DIA	30	45	25	25	25	25	25	45			
27	STRUCTURES EXCLUDING BUILDINGS	100	15	8		30	N/A	15	15	5	N/A	N/A	75	45	15	15		30	30	45	15	75	3	N/A	60	60	30	N/A	30	30	30	N/A	N/A	2	45			
28	SULPHUR CONVERTER	100	15	8		30	8	15	15	5	8	2	75	45	8	8		45	30	30	15	75	8	2	60	60	45	30	2	45	45	30	8	8	45			
29	TANKS CONTAINING FLAMMABLES	60	30	30		45	30	30	45	45	45	8	60	45	45	25		30	45	60	15	45	45	8	60	60	25	30	45	1 DIA	I DIA	30	8	30	50			
30	TANKS CONTAINING NON-FLAMMABLES	60	30	25		45	30	30	45	45	45	8	45	45	30	25		30	45	60	15	45	45	3	60	60	25	30	45	1 DIA	2	30	8	8	50			
31	TOWERS	100	25	8		30	3	15	15	5	3	2	75	45	15	15		45	30	45	15	75	3	2	60	60	25	N/A	30	30	30	3	8	2	45			
32	ISOLATION & SNUFFING VALVES	60	8	8		8	8	8	8	8	8	N/A	75	45	8	8		8	8	15	15	75	8	N/A	60	8	25	N/A	8	8	8	8	N/A	8	45			
33	PRESSURE VESSELS/DRUMS	60	25	8		30	3	15	15	15	2	2	75	45	15	15		30	45	15	8	75	3	2	80	60	25	2	8	30	8	2	8	2	25			
34	OIL & GAS WELLS	100	45	45		45	45	45	45	45	45	45	45	45	25	25		45	100	100	15	45	45	45	100	100	45	45	45	45	45	45	45	25	N/A			

NOTES:

1. WHERE DISTANCES DISAGREE WITH ERCB OR INDUSTRIAL RISK INSURERS RECOMMENDATIONS, CONFLICTS ARE TO BE RESOLVED BY OWNER.
2. WHERE PRACTICAL ELECTRICAL SWITCHGEAR OR MCC MAY BE PLACED IN A ROOM WITHIN OR ATTACHED TO A CLASSIFIED BUILDING (CLASS 1, ZONE 1 OR 2) PROVIDED THE ELECTRICAL ROOM IS SEPARATED FROM THE CLASSIFIED AREA VIA A VAPOUR TIGHT BARRIER AND ELECTRICAL ROOM MAINTAINS A POSITIVE PRESSURE, AMERICAN PETROLEUM INSTITUTE RP500 AND RP505 DEFINE VAPOUR TIGHT BARRIER AS : A BARRIER THAT WILL NOT ALLOW THE PASSAGE OF SIGNIFICANT QUANTITIES OF GAS VAPOUR AT ATMOSPHERIC PRESSURE.
3. PRIVATE SURVEYED ROADS TO WELLHEAD CLEARANCES TO BE 40 m MINIMUM AS PER ERCB DIRECTIVE 063.
4. TANK CONTAINMENT WALLS TO BE LOCATED A MINIMUM DISTANCE EQUALING THE HEIGHT OF THE TALLEST TANK ADJACENT TO THAT WALL.

DRAWING NO.	REFERENCE DRAWINGS
-	

REV.	DESCRIPTION	BY	DATE	CHK	APP.	PE

DRAWN: DATE
DESIGNED: DATE
CHECKED: DATE
APPROVED: DATE
PE: DATE

TITLE
MINIMUM SPACING REQUIREMENTS
FOR SAGD FACILITIES
SAG14

SCALE	JOB NO.	DRAWING NO.	REV.
N.T.S.			

SCALE APPLIES IF PLOTTED ON SIZE "D" (22"X34")