

Risk Category	Risk ID	Associated Risk	Risk Type	Severity of the Risk	Exposure	Risk Owner	Exposure Problems	Risk Mitigation Strategy	Risk Assessment		Control Owner	Legal and Other Requirements	Target Date	Current Status	Integrated Risk Management (IRM) Reference Number
									Probability	Impact					
Safety	R001	1. Failure of critical components during operation.	Safety	High	1. Failure of critical components during operation.	Construction Manager, Safety Officer	Daily	1. Regular inspection and maintenance of critical components.	4	4	Construction Manager, Safety Officer	1. OSHA 1910.133, 1910.134, 1910.135, 1910.136, 1910.137, 1910.138, 1910.139, 1910.140, 1910.141, 1910.142, 1910.143, 1910.144, 1910.145, 1910.146, 1910.147, 1910.148, 1910.149, 1910.150, 1910.151, 1910.152, 1910.153, 1910.154, 1910.155, 1910.156, 1910.157, 1910.158, 1910.159, 1910.160, 1910.161, 1910.162, 1910.163, 1910.164, 1910.165, 1910.166, 1910.167, 1910.168, 1910.169, 1910.170, 1910.171, 1910.172, 1910.173, 1910.174, 1910.175, 1910.176, 1910.177, 1910.178, 1910.179, 1910.180, 1910.181, 1910.182, 1910.183, 1910.184, 1910.185, 1910.186, 1910.187, 1910.188, 1910.189, 1910.190, 1910.191, 1910.192, 1910.193, 1910.194, 1910.195, 1910.196, 1910.197, 1910.198, 1910.199, 1910.200, 1910.201, 1910.202, 1910.203, 1910.204, 1910.205, 1910.206, 1910.207, 1910.208, 1910.209, 1910.210, 1910.211, 1910.212, 1910.213, 1910.214, 1910.215, 1910.216, 1910.217, 1910.218, 1910.219, 1910.220, 1910.221, 1910.222, 1910.223, 1910.224, 1910.225, 1910.226, 1910.227, 1910.228, 1910.229, 1910.230, 1910.231, 1910.232, 1910.233, 1910.234, 1910.235, 1910.236, 1910.237, 1910.238, 1910.239, 1910.240, 1910.241, 1910.242, 1910.243, 1910.244, 1910.245, 1910.246, 1910.247, 1910.248, 1910.249, 1910.250, 1910.251, 1910.252, 1910.253, 1910.254, 1910.255, 1910.256, 1910.257, 1910.258, 1910.259, 1910.260, 1910.261, 1910.262, 1910.263, 1910.264, 1910.265, 1910.266, 1910.267, 1910.268, 1910.269, 1910.270, 1910.271, 1910.272, 1910.273, 1910.274, 1910.275, 1910.276, 1910.277, 1910.278, 1910.279, 1910.280, 1910.281, 1910.282, 1910.283, 1910.284, 1910.285, 1910.286, 1910.287, 1910.288, 1910.289, 1910.290, 1910.291, 1910.292, 1910.293, 1910.294, 1910.295, 1910.296, 1910.297, 1910.298, 1910.299, 1910.300, 1910.301, 1910.302, 1910.303, 1910.304, 1910.305, 1910.306, 1910.307, 1910.308, 1910.309, 1910.310, 1910.311, 1910.312, 1910.313, 1910.314, 1910.315, 1910.316, 1910.317, 1910.318, 1910.319, 1910.320, 1910.321, 1910.322, 1910.323, 1910.324, 1910.325, 1910.326, 1910.327, 1910.328, 1910.329, 1910.330, 1910.331, 1910.332, 1910.333, 1910.334, 1910.335, 1910.336, 1910.337, 1910.338, 1910.339, 1910.340, 1910.341, 1910.342, 1910.343, 1910.344, 1910.345, 1910.346, 1910.347, 1910.348, 1910.349, 1910.350, 1910.351, 1910.352, 1910.353, 1910.354, 1910.355, 1910.356, 1910.357, 1910.358, 1910.359, 1910.360, 1910.361, 1910.362, 1910.363, 1910.364, 1910.365, 1910.366, 1910.367, 1910.368, 1910.369, 1910.370, 1910.371, 1910.372, 1910.373, 1910.374, 1910.375, 1910.376, 1910.377, 1910.378, 1910.379, 1910.380, 1910.381, 1910.382, 1910.383, 1910.384, 1910.385, 1910.386, 1910.387, 1910.388, 1910.389, 1910.390, 1910.391, 1910.392, 1910.393, 1910.394, 1910.395, 1910.396, 1910.397, 1910.398, 1910.399, 1910.400, 1910.401, 1910.402, 1910.403, 1910.404, 1910.405, 1910.406, 1910.407, 1910.408, 1910.409, 1910.410, 1910.411, 1910.412, 1910.413, 1910.414, 1910.415, 1910.416, 1910.417, 1910.418, 1910.419, 1910.420, 1910.421, 1910.422, 1910.423, 1910.424, 1910.425, 1910.426, 1910.427, 1910.428, 1910.429, 1910.430, 1910.431, 1910.432, 1910.433, 1910.434, 1910.435, 1910.436, 1910.437, 1910.438, 1910.439, 1910.440, 1910.441, 1910.442, 1910.443, 1910.444, 1910.445, 1910.446, 1910.447, 1910.448, 1910.449, 1910.450, 1910.451, 1910.452, 1910.453, 1910.454, 1910.455, 1910.456, 1910.457, 1910.458, 1910.459, 1910.460, 1910.461, 1910.462, 1910.463, 1910.464, 1910.465, 1910.466, 1910.467, 1910.468, 1910.469, 1910.470, 1910.471, 1910.472, 1910.473, 1910.474, 1910.475, 1910.476, 1910.477, 1910.478, 1910.479, 1910.480, 1910.481, 1910.482, 1910.483, 1910.484, 1910.485, 1910.486, 1910.487, 1910.488, 1910.489, 1910.490, 1910.491, 1910.492, 1910.493, 1910.494, 1910.495, 1910.496, 1910.497, 1910.498, 1910.499, 1910.500, 1910.501, 1910.502, 1910.503, 1910.504, 1910.505, 1910.506, 1910.507, 1910.508, 1910.509, 1910.510, 1910.511, 1910.512, 1910.513, 1910.514, 1910.515, 1910.516, 1910.517, 1910.518, 1910.519, 1910.520, 1910.521, 1910.522, 1910.523, 1910.524, 1910.525, 1910.526, 1910.527, 1910.528, 1910.529, 1910.530, 1910.531, 1910.532, 1910.533, 1910.534, 1910.535, 1910.536, 1910.537, 1910.538, 1910.539, 1910.540, 1910.541, 1910.542, 1910.543, 1910.544, 1910.545, 1910.546, 1910.547, 1910.548, 1910.549, 1910.550, 1910.551, 1910.552, 1910.553, 1910.554, 1910.555, 1910.556, 1910.557, 1910.558, 1910.559, 1910.560, 1910.561, 1910.562, 1910.563, 1910.564, 1910.565, 1910.566, 1910.567, 1910.568, 1910.569, 1910.570, 1910.571, 1910.572, 1910.573, 1910.574, 1910.575, 1910.576, 1910.577, 1910.578, 1910.579, 1910.580, 1910.581, 1910.582, 1910.583, 1910.584, 1910.585, 1910.586, 1910.587, 1910.588, 1910.589, 1910.590, 1910.591, 1910.592, 1910.593, 1910.594, 1910.595, 1910.596, 1910.597, 1910.598, 1910.599, 1910.600, 1910.601, 1910.602, 1910.603, 1910.604, 1910.605, 1910.606, 1910.607, 1910.608, 1910.609, 1910.610, 1910.611, 1910.612, 1910.613, 1910.614, 1910.615, 1910.616, 1910.617, 1910.618, 1910.619, 1910.620, 1910.621, 1910.622, 1910.623, 1910.624, 1910.625, 1910.626, 1910.627, 1910.628, 1910.629, 1910.630, 1910.631, 1910.632, 1910.633, 1910.634, 1910.635, 1910.636, 1910.637, 1910.638, 1910.639, 1910.640, 1910.641, 1910.642, 1910.643, 1910.644, 1910.645, 1910.646, 1910.647, 1910.648, 1910.649, 1910.650, 1910.651, 1910.652, 1910.653, 1910.654, 1910.655, 1910.656, 1910.657, 1910.658, 1910.659, 1910.660, 1910.661, 1910.662, 1910.663, 1910.664, 1910.665, 1910.666, 1910.667, 1910.668, 1910.669, 1910.670, 1910.671, 1910.672, 1910.673, 1910.674, 1910.675, 1910.676, 1910.677, 1910.678, 1910.679, 1910.680, 1910.681, 1910.682, 1910.683, 1910.684, 1910.685, 1910.686, 1910.687, 1910.688, 1910.689, 1910.690, 1910.691, 1910.692, 1910.693, 1910.694, 1910.695, 1910.696, 1910.697, 1910.698, 1910.699, 1910.700, 1910.701, 1910.702, 1910.703, 1910.704, 1910.705, 1910.706, 1910.707, 1910.708, 1910.709, 1910.710, 1910.711, 1910.712, 1910.713, 1910.714, 1910.715, 1910.716, 1910.717, 1910.718, 1910.719, 1910.720, 1910.721, 1910.722, 1910.723, 1910.724, 1910.725, 1910.726, 1910.727, 1910.728, 1910.729, 1910.730, 1910.731, 1910.732, 1910.733, 1910.734, 1910.735, 1910.736, 1910.737, 1910.738, 1910.739, 1910.740, 1910.741, 1910.742, 1910.743, 1910.744, 1910.745, 1910.746, 1910.747, 1910.748, 1910.749, 1910.750, 1910.751, 1910.752, 1910.753, 1910.754, 1910.755, 1910.756, 1910.757, 1910.758, 1910.759, 1910.760, 1910.761, 1910.762, 1910.763, 1910.764, 1910.765, 1910.766, 1910.767, 1910.768, 1910.769, 1910.770, 1910.771, 1910.772, 1910.773, 1910.774, 1910.775, 1910.776, 1910.777, 1910.778, 1910.779, 1910.780, 1910.781, 1910.782, 1910.783, 1910.784, 1910.785, 1910.786, 1910.787, 1910.788, 1910.789, 1910.790, 1910.791, 1910.792, 1910.793, 1910.794, 1910.795, 1910.796, 1910.797, 1910.798, 1910.799, 1910.800, 1910.801, 1910.802, 1910.803, 1910.804, 1910.805, 1910.806, 1910.807, 1910.808, 1910.809, 1910.810, 1910.811, 1910.812, 1910.813, 1910.814, 1910.815, 1910.816, 1910.817, 1910.818, 1910.819, 1910.820, 1910.821, 1910.822, 1910.823, 1910.824, 1910.825, 1910.826, 1910.827, 1910.828, 1910.829, 1910.830, 1910.831, 1910.832, 1910.833, 1910.834, 1910.835, 1910.836, 1910.837, 1910.838, 1910.839, 1910.840, 1910.841, 1910.842, 1910.843, 1910.844, 1910.845, 1910.846, 1910.847, 1910.848, 1910.849, 1910.850, 1910.851, 1910.852, 1910.853, 1910.854, 1910.855, 1910.856, 1910.857, 1910.858, 1910.859, 1910.860, 1910.861, 1910.862, 1910.863, 1910.864, 1910.865, 1910.866, 1910.867, 1910.868, 1910.869, 1910.870, 1910.871, 1910.872, 1910.873, 1910.874, 1910.875, 1910.876, 1910.877, 1910.878, 1910.879, 1910.880, 1910.881, 1910.882, 1910.883, 1910.884, 1910.885, 1910.886, 1910.887, 1910.888, 1910.889, 1910.890, 1910.891, 1910.892, 1910.893, 1910.894, 1910.895, 1910.896, 1910.897, 1910.898, 1910.899, 1910.900, 1910.901, 1910.902, 1910.903, 1910.904, 1910.905, 1910.906, 1910.907, 1910.908, 1910.909, 1910.910, 1910.911, 1910.912, 1910.913, 1910.914, 1910.915, 1910.916, 1910.917, 1910.918, 1910.919, 1910.920, 1910.921, 1910.922, 1910.923, 1910.924, 1910.925, 1910.926, 1910.927, 1910.928, 1910.929, 1910.930, 1910.931, 1910.932, 1910.933, 1910.934, 1910.935, 1910.936, 1910.937, 1910.938, 1910.939, 1910.940, 1910.941, 1910.942, 1910.943, 1910.944, 1910.945, 1910.946, 1910.947, 1910.948, 1910.949, 1910.950, 1910.951, 1910.952, 1910.953, 1910.954, 1910.955, 1910.956, 1910.957, 1910.958, 1910.959, 1910.960, 1910.961, 1910.962, 1910.963, 1910.964, 1910.965, 1910.966, 1910.967, 1910.968, 1910.969, 1910.970, 1910.971, 1910.972, 1910.973, 1910.974, 1910.975, 1910.976, 1910.977, 1910.978, 1910.979, 1910.980, 1910.981, 1910.982, 1910.983, 1910.984, 1910.985, 1910.986, 1910.987, 1910.988, 1910.989, 1910.990, 1910.991, 1910.992, 1910.993, 1910.994, 1910.995, 1910.996, 1910.997, 1910.998, 1910.999, 2000.000	Progress / complete	IR-001	
	R002	2. Overheating of critical components during operation.	Safety	High	2. Overheating of critical components during operation.	Construction Manager, Safety Officer	Daily	2. Regular inspection and maintenance of critical components.	4	4	Construction Manager, Safety Officer	2. OSHA 1910.133, 1910.134, 1910.135, 1910.136, 1910.137, 1910.138, 1910.139, 1910.140, 1910.141, 1910.142, 1910.143, 1910.144, 1910.145, 1910.146, 1910.147, 1910.148, 1910.149, 1910.150, 1910.151, 1910.152, 1910.153, 1910.154, 1910.155, 1910.156, 1910.157, 1910.158, 1910.159, 1910.160, 1910.161, 1910.162, 1910.163, 1910.164, 1910.165, 1910.166, 1910.167, 1910.168, 1910.169, 1910.170, 1910.171, 1910.172, 1910.173, 1910.174, 1910.175, 1910.176, 1910.177, 1910.178, 1910.179, 1910.180, 1910.181, 1910.182, 1910.183, 1910.184, 1910.185, 1910.186, 1910.187, 1910.188, 1910.189, 1910.190, 1910.191, 1910.192, 1910.193, 1910.194, 1910.195, 1910.196, 1910.197, 1910.198, 1910.199, 1910.200, 1910.201, 1910.202, 1910.203, 1910.204, 1910.205, 1910.206, 1910.207, 1910.208, 1910.209, 1910.210, 1910.211, 1910.212, 1910.213, 1910.214, 1910.215, 1910.216, 1910.217, 1910.218, 1910.219, 1910.220, 1910.221, 1910.222, 1910.223, 1910.224, 1910.225, 1910.226, 1910.227, 1910.228, 1910.229, 1910.230, 1910.231, 1910.232, 1910.233, 1910.234, 1910.235, 1910.236, 1910.237, 1910.238, 1910.239, 1910.240, 1910.241, 1910.242, 1910.243, 1910.244, 1910.245, 1910.246, 1910.247, 1910.248, 1910.249, 1910.250, 1910.251, 1910.252, 1910.253, 1910.254, 1910.255, 1910.256, 1910.257, 1910.258, 1910.259, 1910.260, 1910.261, 1910.262, 1910.263, 1910.264, 1910.265, 1910.266, 1910.267, 1910.268, 1910.269, 1910.270, 1910.271, 1910.272, 1910.273, 1910.274, 1910.275, 1910.276, 1910.277, 1910.278, 1910.279, 1910.280, 1910.281, 1910.282, 1910.283, 1910.284, 1910.285, 1910.286, 1910.287, 1910.288, 1910.289, 1910.290, 1910.291, 1910.292, 1910.293, 1910.294, 1910.295, 1910.296, 1910.297, 1910.298, 1910.299, 1910.300, 1910.301, 1910.302, 1910.303, 1910.304, 1910.305, 1910.306, 1910.307, 1910.308, 1910.309, 1910.310, 1910.311, 1910.312, 1910.313, 1910.314, 1910.315, 1910.316, 1910.317, 1910.318, 1910.319, 1910.320, 1910.321, 1910.322, 1910.323, 1910.324, 1910.325, 1910.326, 1910.327, 1910.328, 1910.329, 1910.330, 1910.331, 1910.332, 1910.333, 1910.334, 1910.335, 1910.336, 1910.337, 1910.338, 1910.339, 1910.340, 1910.341, 1910.342, 1910.343, 1910.344, 1910.345, 1910.346, 1910.347, 1910.348, 1910.349, 1910.350, 1910.351, 1910.352, 1910.353, 1910.354, 1910.355, 1910.356, 1910.357, 1910.358, 1910.359, 1910.360, 1910.361, 1910.362, 1910.363, 1910.364, 1910.365, 1910.366, 1910.367, 1910.368, 1910.369, 1910.370, 1910.371, 1910.372, 1910.373, 1910.374, 1910.375, 1910.376, 1910.377, 1910.378, 1910.379, 1910.380, 1910.381, 1910.382, 1910.383, 1910.384, 1910.385, 1910.386, 1910.387, 1910.388, 1910.389, 1910.390, 1910.391, 1910.392, 1910.393, 1910.394, 1910.395, 1910.396, 1910.397, 1910.398, 1910.399, 1910.400, 1910.401, 1910.402, 1910.403, 1910.404, 1910.405, 1910.406, 1910.407, 1910.408, 1910.409, 1910.410, 1910.411, 1910.412, 1910.413, 1910.414, 1910.415, 1910.416, 1910.417, 1910.418, 1910.419, 1910.420, 1910.421, 1910.422, 1910.423, 1910.424, 1910.425, 1910.426, 1910.427, 1910.428, 1910.429, 1910.430, 1910.431, 1910.432, 1910.433, 1910.434, 1910.435, 1910.436, 1910.437, 1910.438, 1910.439, 1910.440, 1910.441, 1910.442, 1910.443, 1910.444, 1910.445, 1910.446, 1910.447, 1910.448, 1910.449, 1910.450, 1910.451, 1910.452, 1910.453, 1910.454, 1910.455, 1910.456, 1910.457, 1910.458, 1910.459,			

Real works	N	K207	Earthworks (Clear and Grub, Layworks)	1. Stock by machinery 2. Form excavation	Shovel	1. Clear and selective excavation 2. manual excavation	Excavator employees, workers with excavator, construction employees, workers	Construction Manager	Self	Verify 2. Issues and progress	1. 100% management plan, inventory, 2. make manual	5	B	Monthly above	Assessment, follow up and U/L	Inspection and audit	SH Manager, Construction Manager, Construction Manager and Controls Manager	OSCS SH E Spec	Progressive / Progressive / Progressive
Paving	R	K208		1. Stock by machinery 2. Form excavation	Shovel	1. Clear and selective excavation 2. manual excavation	Excavator employees, workers with excavator, construction employees, workers	Construction Manager	Self	Verify 2. Issues and progress	1. 100% management plan, inventory, 2. make manual	5	B	Monthly above	Assessment, follow up and U/L	Inspection and audit	SH Manager, Construction Manager, Construction Manager and Controls Manager	OSCS SH E Spec	Progressive / Progressive / Progressive

