

AIR

<p>- 28 AIR QUALITY IMPACTS - Emissions of Particulate Matter - PM - and PM Precursors</p>	<p>Direct emissions of particulate matter - dust and smoke -, as well as the formation of fine particulate matter in the atmosphere from other agricultural emissions - ammonia, NOx, and VOCs - cause multiple environmental impacts, such as: - The unintended movement of particulate matter - typically dust or smoke - results in safety or nuisance visibility restriction - The unintended movement of particulate matter and/or chemical droplets results in unwanted deposits on surfaces - Increased atmospheric concentrations of particulate matter can impact human and animal health and degrade regional visibility</p>	<ul style="list-style-type: none"> • Crop • Pasture • Range • Forest • Other Rural Land • Associated Ag Land • Designated Protected Areas • Developed Land • Farmsteads 	<p>Activities are not present that contribute to agricultural source PM or PM precursor emissions PM Producing Activities:</p> <ul style="list-style-type: none"> • Prescribed Burn is conducted • Travel ways are unpaved or untreated with binding agents • Engines (combustion source) • Tillage • Pesticides are applied • Fertilization (manure /commercial) • CAFO/manure management) <p>AND</p> <p>Episodes or complaints of emissions of PM (dust, smoke, exhaust, etc.), or chemical drift have not occurred</p>	<p>PM and PM Precursor emissions are managed to meet client objectives</p>	<p>Client input / planner observation</p>
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<p>- 29 AIR QUALITY IMPACTS - Emissions of Greenhouse Gases - GHGs -</p>	<p>Emissions increase atmospheric concentrations of greenhouse gases.</p>	<ul style="list-style-type: none"> • All 	<p>Activities are not present that produce GHGs emissions GHG Producing Activities:</p> <ul style="list-style-type: none"> • Fertilization (manure/commercial) • CAFO/manure management • Engines (combustion source) • Tillage <p>AND GHGs are not regulated in this planning area</p>	<p>Greenhouse gas emissions are managed to meet client objectives</p>	<p>Client input / planner observation</p>
<p>- 30 AIR QUALITY IMPACTS - Emissions of Ozone Precursors</p>	<p>Emissions of ozone precursors - NO_x and VOCs - resulting in formation of ground-level ozone that cause negative impacts to plants and animals.</p>	<ul style="list-style-type: none"> • All 	<p>Operations are not present that produce ozone or precursor emissions Ozone Producing Activities:</p> <ul style="list-style-type: none"> • Engines (combustion source) • Pesticide application • Burning • CAFO/manure management • Fertilization (manure /commercial) <p>)</p>	<p>Ozone precursor emissions are managed to meet client objectives</p>	<p>Client input / planner observation</p>
<p>- 31 AIR QUALITY IMPACTS - Objectionable odors</p>	<p>Emissions of odorous compounds - VOCs, ammonia and odorous sulfur compounds - cause nuisance conditions</p>	<ul style="list-style-type: none"> • Crop • Pasture • Farmsteads • Other Rural Land 	<p>Activities are not present that contribute to nuisance air quality conditions Nuisance Producing Activities:</p> <ul style="list-style-type: none"> • Pesticide application • CAFO / manure management • Composting is conducted <p>AND Odor sources are not regulated in this planning area AND Episodes or complaints of emissions of PM (dust, smoke, exhaust, etc.), or chemical drift have not occurred</p>	<p>Odors are managed to meet client objectives</p>	<p>Client input / planner observation</p>